STEELHEAD HARVEST ANALYSIS

1984-85

by

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ABSTRACT

For the past nineteen years, at the end of the angling licence year, a questionnaire has been sent to fishermen who have angled for steelhead in British Columbia. Information was requested on their fishing activity and catch success for incorporation into the Steelhead Harvest Analysis. Over this time there have been considerable changes in licence sales, the number of days spent fishing and provincial catch.

In the 1984-85 season, 23,236 steelhead angling licences were sold, approximately 10% of which were to nonresidents of B.C. A questionnaire was sent to 63% of licencees, and a response was received from 57% of those contacted. Of the respondents, 77% fished for steelhead at least once and, of the active anglers, 62% were successful in landing a fish.

The provincial steelhead catch has increased significantly in recent years with this year's catch of 147,838 fish surpassing any previous records. The increase in catch is a combined result of increased stock abundance and repeated captures of released fish. Catch per angler day for the province was 0.73. Reduced possession quotas as well as steelhead release regulations have resulted in a decrease in the steelhead harvest (number of fish kept), dropping from 63% in 1970-71 to 13% in 1984-85.

Of the active anglers, 40% kept between one and five fish and 3% kept more than five fish. Angling effort and steelhead catch increased substantially in the Lower Mainland region, particularly on the Chilliwack/Vedder River which claimed the most fish caught (26,590) followed by the Stamp River (8,816). Reported catch on the Cowichan, Thompson, Dean and Yakoun rivers also showed marked increase over the previous year. Vancouver Island continued to report the highest number of steelhead caught in any region. Hatchery fish, caught primarily on Vancouver Island and the Lower Mainland, comprised approximately 20% of the total provincial catch with a reported harvest ratio of 25%, compared to 10% for wild fish.

INTRODUCTION

Anglers from British Columbia, Canada and the United States have reported catches ranging between 40,000 and 148,000 steelhead trout annually from British Columbia streams. Due to the low natural abundance of wild searun trout, careful management is necessary to regulate the harvest and ensure adequate spawning. The number of steelhead released by anglers has increased considerably in recent years through the institution and growing acceptance of catch and release regulations and reduced quotas. Many streams have been stocked with hatchery reared fry and smolts as a method of enhancing steelhead populations, and while numerous streams have a wild steelhead release restriction, the harvest of marked hatchery fish is still permitted.

Steelhead trout are caught in the commercial, sport and Indian food fisheries. The total catch is unknown but efforts are being made, through the Salmonid Enhancement Program (S.E.P.), to determine the number of steelhead intercepted by sport anglers and the commercial salmon fleet. An analysis of the number of steelhead caught by freshwater sport fishermen has been conducted annually since 1966-67 in the form of a mailout questionnaire survey. Anglers are requested to report their catch for each stream fished during the licence year (April 1 to March 31).

The resident area boundaries used in this analysis correspond with the eight regional management boundaries. Reported catch and angling effort for the Skeena region, however, has been separated into Queen Charlotte Islands and Skeena Mainland to be consistent with previous years. Included in the discussion, this year, is a review of the juvenile stock monitoring program conducted by the Fisheries Improvement Unit, Fisheries Branch. Monitoring of juvenile steelhead recruitment in various index streams in the Lower Mainland, Skeena and Cariboo regions helps fisheries managers predict adult returns and determine required spawning escapements.

SALMONID ENHANCEMENT PROGRAM

The Federal/Provincial Salmonid Enhancement Program (S.E.P.) was initiated in 1977 with the long-term objective of doubling the catch of Pacific salmon, steelhead and searun cutthroat trout by protecting, rehabilitating and enhancing fish stocks. Surveys of stocks in the late 1970's revealed that many runs of steelhead were declining, particularly in southern British Columbia. Projects are underway to restore these runs through improved management and the employment of various enhancement techniques. The provincial Fisheries Branch is also working intensively with the federal Department of Fisheries and Oceans to reduce the incidental catch of steelhead by refining the management of the commercial salmon fishery.

Enhancement techniques include the improvement of fish habitat, removal of barriers to fish migration, construction of spawning platforms to increase available spawning habitat, and placement of boulders or log cover in streams to increase rearing habitat for juvenile fish. Other techniques in a

research phase include stream enrichment to increase the natural production of aquatic invertebrates; water storage in headwater lakes for release during the dry summer months to maintain optimum flow conditions for fish; and stabilization of streambanks by reestablishing riparian vegetation, reinforcing with rip-rap, or fencing to eliminate livestock.

Fish culture plays a major role in S.E.P. through annual stocking programs to accelerate the recovery of severely depleted wild stocks and to sustain major sport fisheries. Steelhead fry are released in underseeded areas of streams or above barriers (i.e. waterfalls), thus, maximizing the use of available rearing habitat. Steelhead smolts are reared at hatcheries or in floating net enclosures in lakes where they are fed artifically for one year until a size of about 18cm is reached. The hatchery smolts migrate to sea upon release. The first adult returns from hatchery smolts released in 1984 will be during the 1985-86 fishing season, while fry released in 1984 will return in the 1987-88 and 1988-89 seasons (Appendix 1).

Although there are planned exceptions, Fisheries Branch policy directs that hatchery reared steelhead be returned to their stream of parental origin and that, whenever possible, eggs are taken from wild fish rather than marked hatchery fish. Exceptions may be found in streams classified as "hatchery" (see below). Hatchery fish are recognized by a missing adipose fin.

Concern about the impact of hatchery fish introductions on wild fish populations resulted in the development of a system of stream classification, based on expected genetic risk, to guide in the management of fish stocks. Three broad classes were developed:

1. Wild streams are managed to protect, maintain and enhance natural fish populations. Appropriate enhancement techniques include fry plants and short-term smolt plants using native brood stock, stream improvement to increase stream carrying capacity, and regulations to maintain the harvest.

2. Hatchery streams have severely depleted wild stocks and may also have damaged spawning and rearing habitat, but there is potential for angling through the annual introduction of smolts.

3. Augmented streams are managed to maintain healthy wild stocks while providing for a harvestable surplus through the addition of cultured fish. The risk of genetic mixing between wild and hatchery fish is minimized by using only native wild adults for brood stock. Smolts are released in the lower stream reaches where angling pressure is greatest. Hatchery adults return to their release point and are available for anglers to harvest while release regulations for wild fish ensure an upriver escapement. Stream improvement and fry stocking may also be used as a method of enhancement in augmented streams.

Sportfishing regulations are one of the most effective management strategies employed by fisheries biologists to protect and enhance steelhead stocks.

Catch and release restrictions are frequently in use while complete angling closures are limited to specific areas where fish are in critical need of protection. Catch and release regulations have resulted in substantially increased spawning escapements and juvenile recruitment essential to the restoration of steelhead stocks.

METHOD

Information for the Steelhead Harvest Analysis was obtained from a postcard questionnaire survey of anglers who purchased steelhead licences in British Columbia. The questionnaire asked for the following information:

1. Did you fish for steelhead between April 1, 1984, and March 31, 1985, and
2. List the streams fished and, for each, the number of days fished, the number of wild steelhead kept and released, and the number of hatchery steelhead kept and released.

A total of ten resident groups were recognized: residents of eight regions of the province, residents of the other provinces and residents from outside of Canada (Fig. 1). Questionnaires were mailed to 60% of B.C. resident anglers and 94% of non-B.C. resident anglers. The returned questionnaires were analysed to determine catch, angling effort and angler distribution for all streams fished.

RESULTS

During the 1984-85 season, 23,236 steelhead angling licences were sold ranging from a high of 45,824 in 1969-70 to a low of 20,576 in 1983-84 (Appendix 3). Lower Mainland residents made up the largest segment (38%) of steelhead licencees. Questionnaires were mailed to 63% of licencees and responses were received from 57% of those contacted. The resulting sample group constituted 34% of all licenced steelheaders (Table I in Appendix 2).

Of the respondents, 77% actually fished for steelhead and, of these, 62% reported catching at least one fish. When extrapolated to include all anglers, an estimated 10,581 of 17,567 active anglers were successful in catching a steelhead (Table II in Appendix 2).

For most rivers, the majority of anglers resided in the immediate region and generated the most angling effort (days fished). Similarly, they caught and kept the most fish. The Thompson and Dean rivers, however, continued to attract a larger proportion of anglers from other resident areas (data on file).

Fishing effort was highest in the Lower Mainland region, followed by Vancouver Island. The total estimated provincial catch was 147,838 steelhead with Vancouver Island providing the largest catch of both hatchery and wild fish. The provincial catch per angler day averaged 0.73. Anglers kept an average of 13% of the provincial steelhead catch, ranging from a low of 9% on

Fig. 1. British Columbia resident areas.

Vancouver Island (under special regulation to limit harvest) to a high of 32% in the Thompson-Nicola area (Table V in Appendix 2; Appendix 3).

Hatchery fish made up a sizeable component of the catch on numerous Vancouver Island and Lower Mainland streams: B. Qualicum (52%), Campbell (66%, Englishman (39%), Keogh (58%), L. Qualicum (44%), Oyster (50%), Puntledge (51%), Somass (50%), Stamp (45%), Alouette (37%), Capilano (32%), Chilliwack/ Vedder (30%), L. Campbell (47%), Seymour (37%). Hatchery fish comprised approximate 20% of the total provincial catch. The reported release ratio for hatchery fish averaged 75% compared to 90% for wild fish (Table VA in Appendix 2).

Of the active anglers, 7,053 (40%) kept from one to five fish, and 617 (3%) took home more than five fish (Table VI in Appendix 2). Approximately 46% of all active steelhead anglers spent between one and five days fishing. The majority of resident anglers from areas with a large number of steelhead streams (Vancouver Island, Lower Mainland and Skeena) spent over five days angling for steelhead. This was also true of anglers from outside of Canada, however, residents of areas in the province where there are few or no steelhead streams generally fished for only one to five days (Table VII in Appendix 2).

The most heavily fished stream in the province was the Chilliwack/Vedder which supported 33,816 angler days and had the highest reported total catch (kept and released) of 26,590 fish. This total catch was followed by the Stamp (8,816), Dean (7,951), Thompson (7,434) and Cowichan (7,221) rivers (Appendix 4).

DISCUSSION

TRENDS IN CATCH AND ANGLING EFFORT

Licence sales and the number of active anglers have dropped noticeably since the Steelhead Harvest Analysis commenced in 1966-67. The number of successful anglers, however, has remained fairly constant (Fig. 2). Angling activity and the number of fish caught is currently on an upswing. There has, in fact, been a three-fold increase in the steelhead catch in the last five years which has meant a higher catch success for anglers (Fig. 3).

The provincial steelhead catch this year resulted in an average catch (kept and released) of 14 fish per successful angler; the highest on record. It also took less angling effort to land a fish, with an average of only 1.4 days of angling required per fish caught; the lowest on record. Each angler devoted 11.8 angler days to fishing for steelhead (Appendix 5).

The provincial steelhead catch has recovered dramatically over the past few years. This can be attributed to an increase in stock abundance in many streams resulting from a combination of factors: (1) an improvement in wild juvenile recruitment, (2) supplemental stocking with hatchery fry and smolts, (3) reduced quotas, and (4) catch and release restrictions (introduced in

1976) that limit harvest and, thus, increase spawning escapement. The increase in reported catch is also partially due to repeated captures of released fish. The number of steelhead kept has been declining steadily, dropping from 63% in 1970-71 to 13% in 1984-85. Angler philosophy is changing as more fishermen realize that the future status of our wild steelhead stocks depends on maintaining a lower rate of harvest (Fig. 3; Appendix 6).

Provincial angling effort is increasing again after an all-time low which occurred in 1981-82 (Fig.3). Catch per angler day, which is a reflection of angling success, remained favourably high in all regions (Fig. 4). The total catch in each region increased over the previous 1983-84 season and was particularly noticeable in the Lower Mainland (Fig.5).

RESPONSE BIAS

Steelhead biologists in Oregon and Washington conducting mailout questionnaire surveys of steelhead angling success have found a "positive response bias" in their results. In British Columbia, comparative results of the Steelhead Harvest Questionnaire and on-site creel surveys suggests a similar bias indicating that the questionnaire may be producing inflated estimates of the steelhead catch (both kept and released). For those streams receiving over 400 angler days per year (the larger, more popular streams), the kill estimates from the questionnaire averaged 32% higher than estimates obtained from on-site creel surveys. The range in error is considerable (from 4% to 63%) indicating that the 32% overestimate should be applied selectively (Steelhead Harvest Analysis 1978-79, Fish and Wildlife Bulletin No. B-8). Creel survey results also indicate that estimates of fish released and angler days are even more inflated than estimates of steelhead kept. Few anglers maintain a permanent record of fish released or the number of days spent fishing, so guesswork is often the only answer. There is also the likelihood of some dishonest responses.

The comparison of creel survey and questionnaire results are not always reliable. Creel survey techniques vary from intense sampling (Dean and Thompson rivers) and random interviews (Campbell and Quinsam rivers) to voluntary angler reports (Keogh and Chilcotin rivers). The results range from accurate to indicative, reflecting considerable differences when compared to the questionnaire survey.

Throughout the years, the results of the Steelhead Harvest Analysis have been derived from a 50% response rate to a single mailout of the questionnaire. It has generally been assumed that the keenest, most active, and most successful anglers are the ones most likely to complete the questionnaire. If this was the case, when the number of fish reported caught was extrapolated to include all anglers, the resulting estimates would be inflated or positively biased due to the poor representation of inactive or dissatisfied anglers.

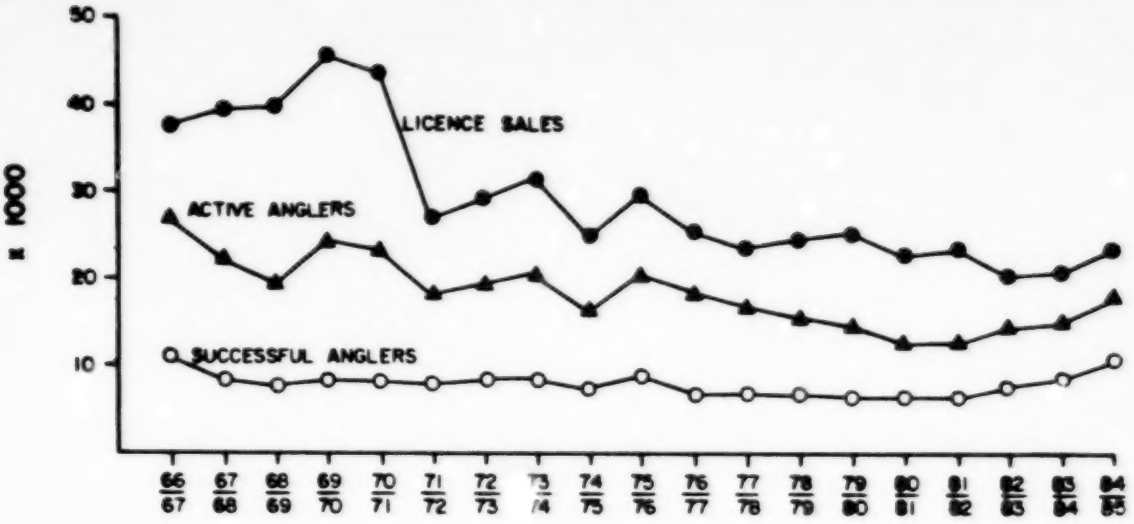

Fig. 2. Annual variations in steelhead licence sales and the number of active and successful steelhead anglers in British Columbia since 1966/67.

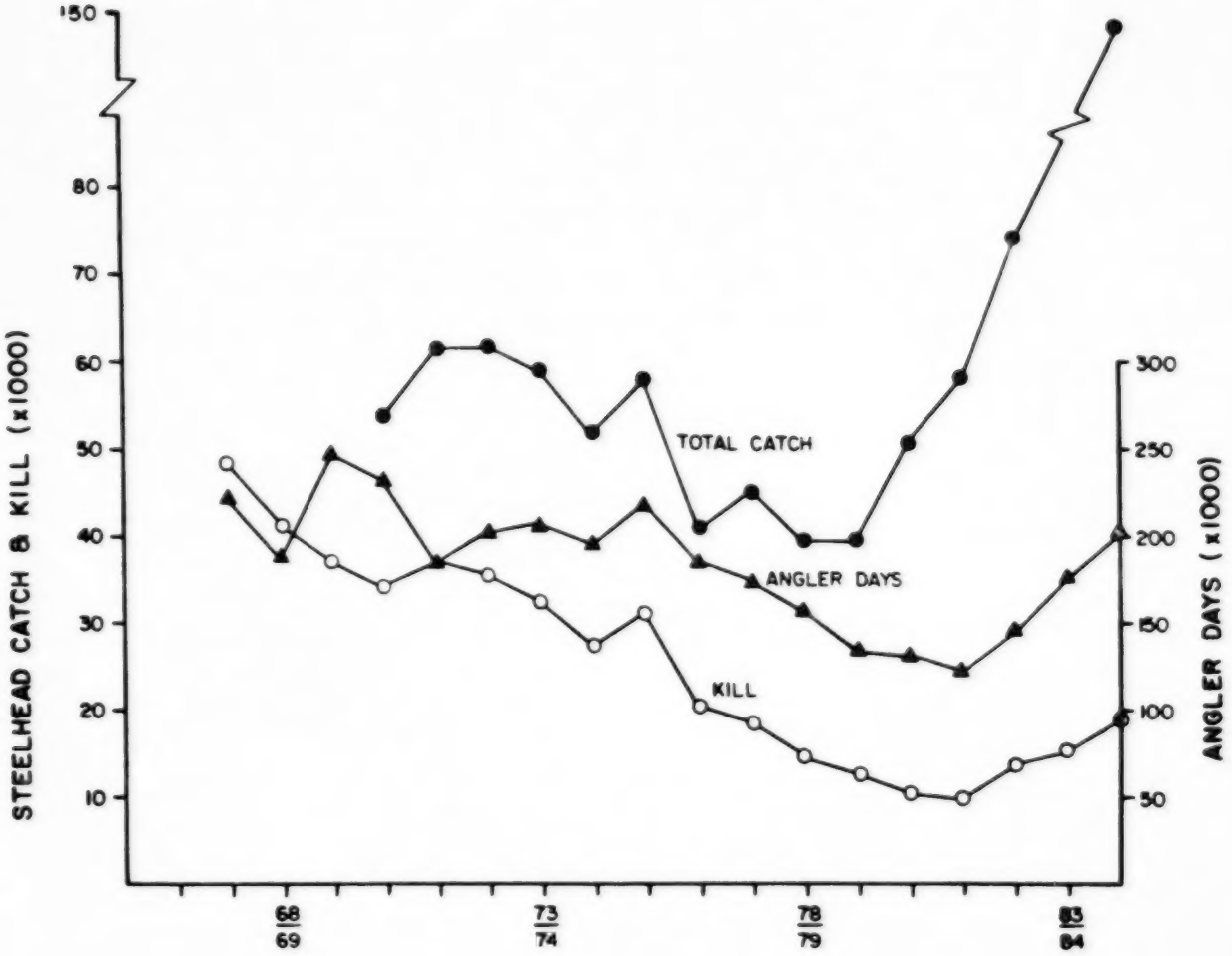

Fig. 3. Steelhead angling effort and catch success since 1967/68.

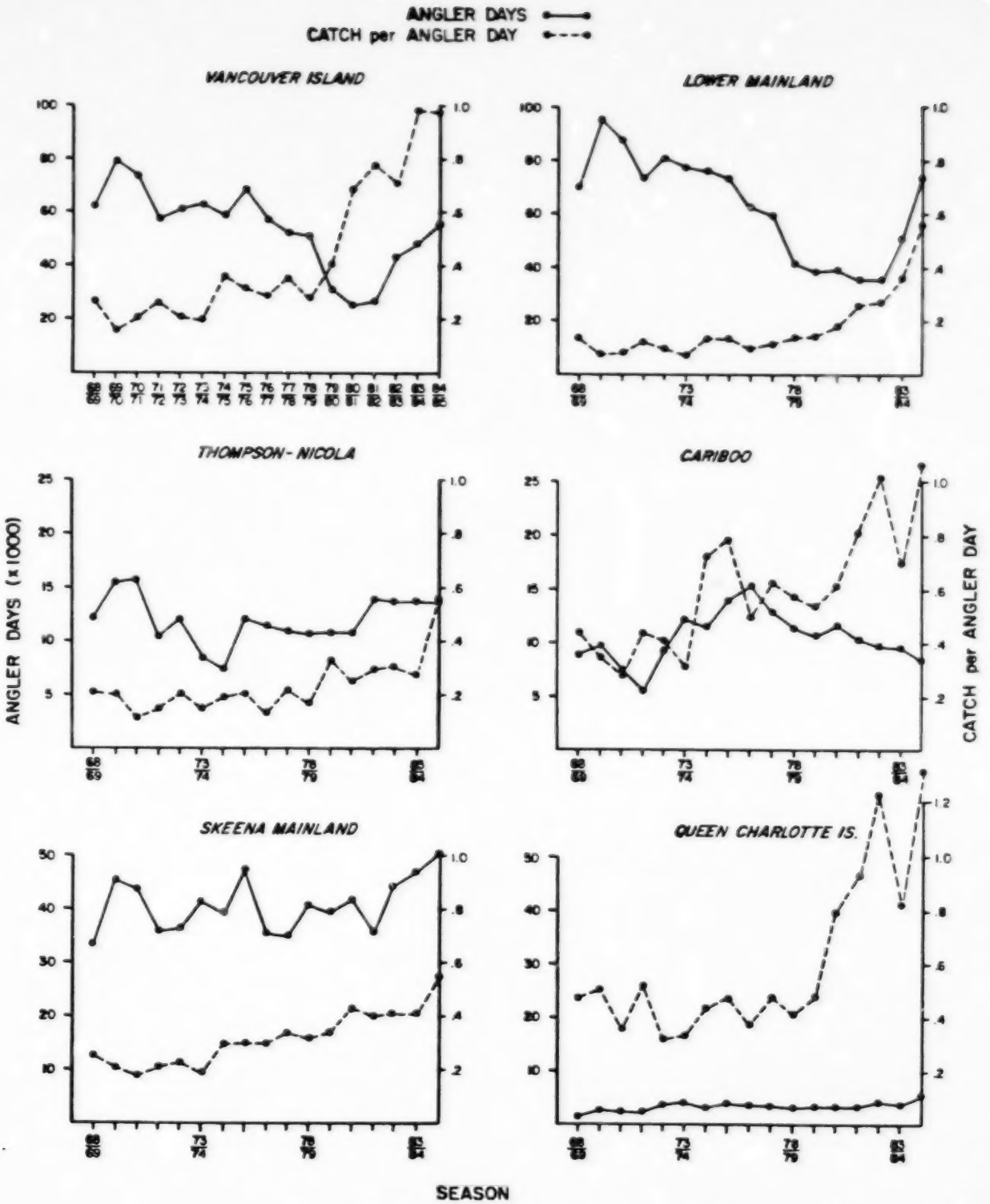

Fig. 4. Trends in steelhead angling effort and catch success for each area containing steelhead streams.

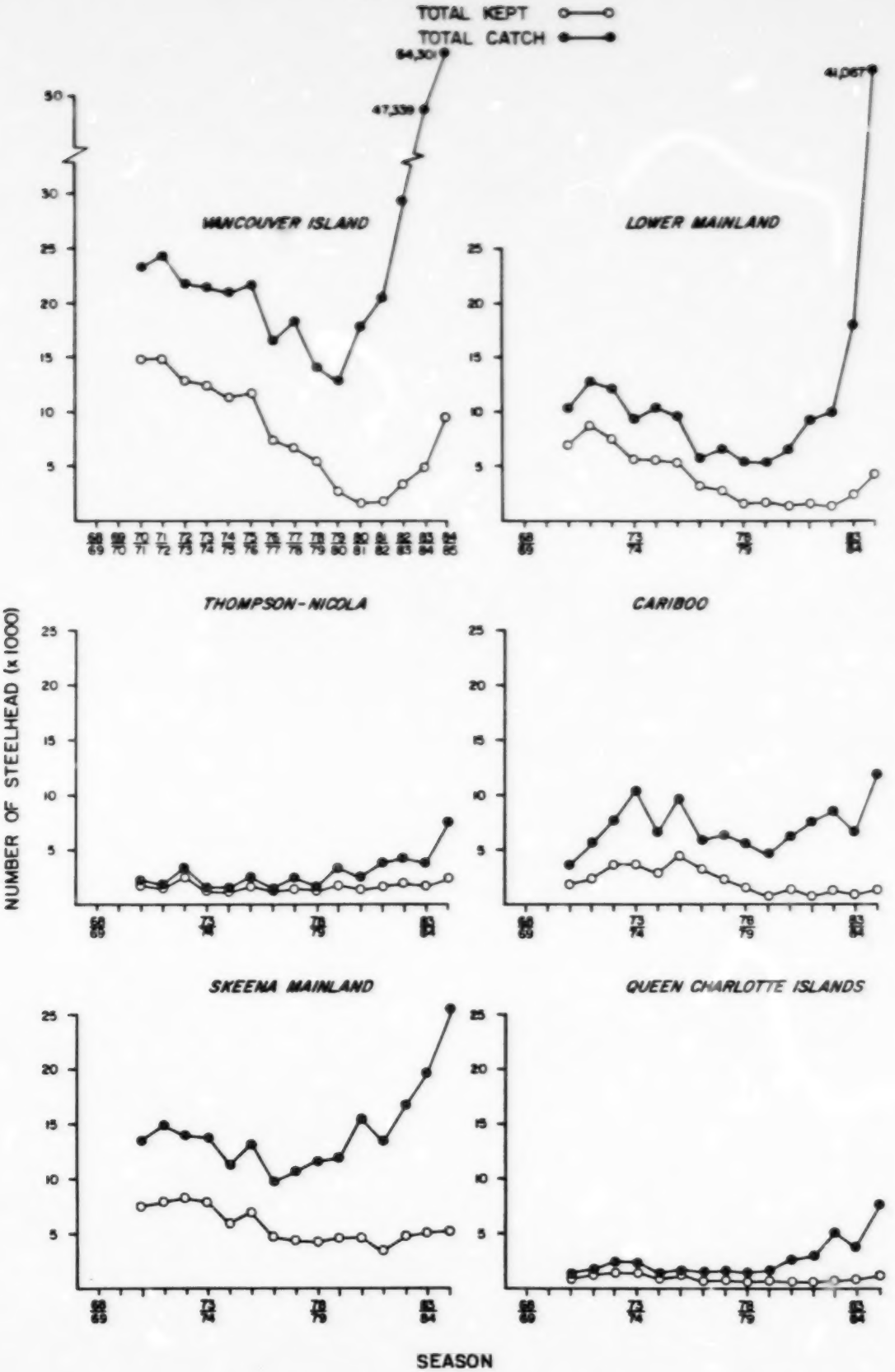

Fig. 5. Trends in total steelhead catch and kept for each area containing steelhead streams.

In 1978-79, and again in 1982-83, a second mailing of the questionnaire was undertaken to increase the response rate and, thus, attempt to arrive at a more accurate estimate of angling activity and success. When the results of both mailings were combined, the decrease in estimates of active anglers, successful anglers, angler days and total catch supported the possibility of response bias. If the majority of the remaining nonrespondents were found to be inactive or unsuccessful, as generally assumed, the estimates of active and successful anglers from the first mailing would be reduced considerably more. The results of a follow-up telephone survey in 1982-83 of a small random sample of Vancouver Island resident anglers who did not respond to either mailing, however, did not support the theory of response bias. Further effort is necessary in order to determine a reasonable estimate of response bias, either through multiple mailing of the questionnaire or a telephone survey on a much broader scale. In the meantime, the analysis results present a useful indication of increasing and decreasing trends in stock status and angling activity.

JUVENILE STOCK MONITORING IN BRITISH COLUMBIA (SUMMER-FALL 1985)

It is the position of the B.C. Ministry of the Environment's Fisheries Branch that the province's wild steelhead stocks be managed mainly to provide a high quality recreational fishery. This implies wild stocks are managed to produce adult returns consistent with 80 to 100% of the stream's natural capacity to support juveniles. Direct monitoring of juveniles in selected index streams should provide a reasonable indication of whether management goals in terms of spawning escapements have been met.

1. Lower Mainland Region

Intensive juvenile census coupled with habitat usability data have shown increased stock size in all selected streams. This is apparently in response to greater wild and hatchery (where applicable) escapement of adult steelhead. Some streams continue to exhibit habitat densities at or near saturation as a result of fry stocking.

Stream flows in the province's south coast were below normal with critical period (late summer) flows near 50% normal. High flow streams like the Chilliwack/Vedder, Squamish and Harrison displayed more hydraulically usable habitat for this year's fry populations. Growth conditions were excellent in those streams which did not have a low flow problem as recorded temperatures were optimal.

The Chilliwack/Vedder was found to have very high fry and parr densities along its entire length. Densities equalled or exceeded previous highs with some density dependent growth reduction. All fry caught in the mainstem were of wild origin and their exceptional numbers resulted from the combined large escapement of wild and hatchery adults. Larger parr densities reflected a mild 1984-85 winter marked by no major floods. Hatchery fry stocked into a headwater tributary (Tamihi Creek) were found in reasonable densities and had grown well.

The Silverhope supported very high densities of both fry and parr above Silver Lake. This is consistent with the largest recorded escapement in the summer of 1984 (greater than 150 adults) and lack of a major flood. Most captured fry were of wild origin, even though a large hatchery fry release took place.

Continued industrial activities in the Coquihalla drainage has necessitated mitigative strategies be employed. These included a large release of hatchery steelhead fry and parr. Measured densities suggest the stream is operating at 100% of its capacity. Very high densities of parr were encountered suggesting excellent over-wintering survival even though the rearing environment was perceived to be damaged by sand embeddedness. Growth of hatchery fry was particularly depressed and may be a result of sustained turbidity caused by highway construction.

Less intensive juvenile monitoring on the Chehalis and Cheakamus suggests these systems were also operating at or near saturation. However, since flows were unusually low, there was hydraulically more usable habitat for smaller juveniles. Fry stocking is likely to be discontinued due to recent large escapements and generally limited fry capacity.

The outlook for these particular Lower Mainland streams is large adult returns in four to five years (eg. 1989, 1990) as a result of strong fry recruitment in 1985. Sustained high juvenile abundance in the Silverhope and Coquihalla since 1981 should generally translate into good returns starting in 1985 (confirmed for Silverhope) and moreso in 1986 and beyond.

2. Skeena Mainland Region

In the Skeena Region, juvenile stock monitoring was constructed in the Kispiox and Bulkley-Morice river systems. More limited information was collected in the Kitsumkalum, Suskwa, Babine and Sustut river systems. Results from all summer-run systems indicated high steelhead fry densities, consistent with higher than average escapement indicators in 1984. Spring stream flows were relatively stable, suggesting good egg incubation conditions. Summer flows ranged from below average in some low elevation tributaries to above average in many glacial fed systems.

The steelhead fry population of the Kispiox River system was estimated at 1.4 million in August, 1985. This was the highest population over six years of sampling, in response to high escapement and relatively stable incubation flows. Fry density values indicate the system was at capacity. The yearling population was relatively low in 1985, in response to low 1984 fry recruitment and poor 1984/85 overwinter conditions (early freeze and high flows). The yearling population was not operating at capacity, and smolt yields from this brood year (1984) may be reduced.

Steelhead fry densities were relatively high throughout most of the Bulkley-Morice River system in 1985. The high densities are consistent with a high escapement index and stable stream flows during the incubation period. While fry densities were high relative to historic levels, habitat saturation was not achieved in all areas. This apparent undersaturation is not expected to cause any reduction in subsequent smolt yield. Data on yearling steelhead parr, while sparse, indicates relatively low densities were present at some locations. This is consistent with low 1984 fry populations. Data is not sufficient to determine if subsequent smolt yield will be affected.

Very limited data from sampling in the Suskwa, Babine and Sustut river systems suggests good fry recruitment in 1985, consistent with escapement indicators. Fry densities in all areas approached suspected saturation levels, and were higher than comparable 1984 density data. The 1985 fry population is not expected to constrain future smolt yield.

Juvenile sampling in several Kitsumkalum River tributaries revealed variable fry populations in 1985. Fry densities near saturation levels were found in some smaller tributaries, while others including the major tributary (Cedar River) had densities much below the expected saturation level. While fry densities were judged less than capacity, it is not known at this point how this will affect subsequent yield of summer and winter-run steelhead smolts.

3. Cariboo Region

The Chilko-Chilcotin River system was seeded to capacity with steelhead fry in 1985. Fry densities approached suspected saturation levels in the Chilco River and throughout the mainstem Chilcotin River. Parr population was also high in 1985, providing enough parr to meet the required capacity. Results suggest maximum smolt yield will occur for both 1984 and 1985 brood years.

Appendix 1. 1984 Juvenile steelhead released from provincial (MOE) and federal (DFO) rearing facilities.

Stream	Facility	Fry Released	Smolts Released	Predicted Adult Returns*
VANCOUVER ISLAND				
Big Qualicum R.	Big Qualicum Hatchery (MOE)		25,769	1,031
Campbell R.	O'Connor Lake Netpens (MOE)		5,051	150sr
Cowichan R.	Vancouver Island Hatchery (MOE)	12,460		94
	Cowichan Lake Netpens (MOE)		43,058	1,722
Englishman R.	Vancouver Island Hatchery (MOE)	29,820		226
	Big Qualicum Hatchery (DFO)		30,681	1,227
Keogh R.	O'Connor Lake Netpens (MOE)		36,702	1,468
Little Qualicum R.	Little Qualicum Hatchery (DFO)		36,964	1,479
Millstone R.	Big Qualicum Hatchery (DFO)		8,988	360
Nanaimo R.	Vancouver Island Hatchery (MOE)	34,008		260
	Nanaimo C.D.P. (DFO)		5,535	221
Oyster R.	Quinsam Hatchery (DFO)	32,196		161
Puntledge R.	Puntledge Hatchery (DFO)		30,348	910sr
Quatse R.	O'Connor Lake Netpens (MOE)		11,152	446
Quinsam R.	Quinsam Hatchery (DFO)	43,500	19,900	1,014
Salmon R.	Vancouver Island Hatchery (MOE)	87,881		555
Somass R.	Robertson Cr. Hatchery (DFO)		54,918	2,197wr
			129,674	3,956sr
LOWER MAINLAND				
Alouette Lk.	Boulder Bay Netpens (MOE)		22,431	897
Alouette R.	Alouette R. Corrections (MOE)		28,478	1,139
Anderson Cr.	Fraser Valley Hatchery (MOE)	5,560		28
Ashlu R.	Fraser Valley Hatchery (MOE)	40,000		200
	Tenderfoot Hatchery (DFO)	40,430		323
Big Silver Cr.	Chehalis Hatchery (DFO)		16,301	652
Brunette R.	Boulder Bay Netpens (MOE)		3,000	120
Capilano R.	Capilano Hatchery (DFO)	14,770		118wr
	Capilano Hatchery (DFO)	106,925		855sr
Cheakamus R.	Tenderfoot Hatchery (DFO)	59,469		297
Chehalis R.	Chehalis Hatchery (DFO)		56,434	2,257
Chilliwack R.	Chilliwack Hatchery (DFO)	118,921	120,388	5,767
Cogburn Cr.	Chehalis Hatchery (DFO)		5,100	204
Coquihalla R.	Fraser Valley Hatchery (MOE)	163,042(fry)	31,323	1,755sr
		15,962(parr)**		319sr
Hayward Lk.	Chilliwack Hatchery (DFO)		5,472	219
Kanaka Cr.	Fraser Valley Hatchery (MOE)	5,758		46
	Bell-Irving Hatchery (DFO)		6,440	278
Little Campbell R.	Fraser Valley Hatchery (MOE)		5,000	200
Marshall Cr.	Fraser Valley Hatchery (MOE)		3,973	159
Murray Cr.	Fraser Valley Hatchery (MOE)	5,560		28
Nicomekl R.	Fraser Valley Hatchery (MOE)		16,297	652
North Alouette R.	Fraser Valley Hatchery (MOE)	5,990		48
Seymour R.	Seymour Rearing Channel (DFO)	8,123		65
Shovelnose Cr.	Fraser Valley Hatchery (MOE)	13,460		108
Silverhope R.	Fraser Valley Hatchery (MOE)	35,000		280sr
Weaver Cr.	Chehalis Hatchery (DFO)		5,020	201

Appendix 1. (continued)

Stream	Facility	Fry Released	Smolts Released	Predicted Adult Returns*
THOMPSON-NICOLA				
Spius Cr.	Loon Creek Hatchery (MOE)	72,800		364
Maka Cr.	Loon Creek Hatchery (MOE)	47,000		235
Coldwater R.	Loon Creek Hatchery (MOE)	52,000		260
Bonaparte R.	Loon Creek Hatchery (MOE)	180,200	50,919	2,938
CARIBOO				
Salloomt R.	Snootli Hatchery (DFO)	51,769		259
Hotnarko R.	Snootli Hatchery (DFO)	10,000		50
Little Chilcotin R.	Hanceville Hatchery (MOE)	124,243		621
SKEENA MAINLAND				
Morice R.	Fraser Valley Hatchery (MOE)	61,700		494
Suskwa R.	Fraser Valley Hatchery (MOE)	50,350		403
PROVINCIAL TOTAL:		1,512,935	815,316	40,316

* Predicted adult returns based on Tautz and Slaney, 1982, Biostandards

Fry to adult survival:	fry < 1.0g	0.5%
	fry > 1.0g	0.8%
Smolt to adult survival:	summer-run (sr)	3%
	winter-run (wr)	4%
**Coquihalla River parr to adult survival:		2%

Appendix 2 - Tables I to VII

TABLE I - NUMBER OF STEELHEAD LICENCEES, QUESTIONNAIRES AND RESPONDENTS BY RESIDENT AREA, 1984-85

RESIDENT AREA	LICENCEES	QUESTIONNAIRES MAILED	RESPONDENTS	NOT USEABLE*	RESPONSE RATE (%)	LICENCEES SAMPLED (%)
1 VANCOUVER ISLAND	4135	2501	1198	177	51.55	28.97
2 LOWER MAINLAND	8795	5256	2748	413	56.74	31.25
3 KAMLOOPS	1039	640	376	31	61.74	36.19
4 KOOTENAYS	197	117	73	11	68.87	37.06
5 CARIBOO - CHILCOTIN	987	563	287	28	53.64	29.08
6 SKEENA	4014	2411	1197	133	52.55	29.82
7 OMINECA - PEACE	1203	719	381	44	56.44	31.67
8 OKANAGAN	600	365	223	22	65.01	37.17
9 NON - RESIDENT (CANADIAN)	810	722	435	35	63.32	53.70
0 NON - CANADIAN	1456	1409	935	73	69.99	64.22
TOTAL	23236	14703	7853	967	57.17	33.80

* Includes questionnaires that were :
  1. returned by the post office as undeliverable, or
  2. spoiled.

TABLE II - ESTIMATE OF ACTIVE AND SUCCESSFUL STEELHEAD ANGLERS BY RESIDENT AREA, 1984-85

RESIDENT AREA	LICENCEES	RESPONDENTS	REPORTED ACTIVE ANGLERS*	ACTIVE ANGLERS (%)	ESTIMATED ACTIVE ANGLERS	REPORTED SUCCESSFUL ANGLERS**	SUCCESSFUL ANGLERS (%)	ESTIMATED SUCCESSFUL
1	4,135	1,198	896	74.8%	3,093	607	67.7%	2,094
2	8,795	2,748	2,066	75.2%	6,614	1,157	56.0%	3,704
3	1,039	376	302	80.3%	834	162	53.6%	447
4	197	73	54	74.0%	146	25	46.3%	67
5	987	287	200	69.7%	688	107	53.5%	368
6	4,014	1,197	840	70.2%	2,818	524	62.4%	1,758
7	1,203	381	268	70.3%	846	129	48.1%	407
8	600	223	182	81.6%	490	88	48.4%	237
9	810	435	378	86.9%	704	209	55.3%	389
0	1,456	935	856	91.6%	1,334	712	83.2%	1,110
TOTAL	23,236	7,853	6,042	76.9%	17,567	3,720	61.6%	10,581

* Number of respondents who actually fished for steelhead.

** Number of respondents who actually caught steelhead (whether kept or released).

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
1	ADAM RIVER	8	25	5	16	0	0	10	32	0.000	1.250	1
2	AHNUHATI RIVER	7	21	3	7	1	3	4	11	0.143	0.714	2
3	AMOR DE COSMOS RIVER	37	118	21	66	3	10	53	175	0.081	1.514	3
	BEAR R.											
5	ARTLISH RIVER	2	6	2	6	0	0	1	3	0.000	0.500	5
6	ASH RIVER	27	93	11	37	0	0	17	58	0.000	0.630	6
7	ATLATZI RIVER	9	31	1	3	0	0	24	82	0.000	2.667	7
9	BENSON RIVER	3	10	1	3	0	0	4	13	0.000	1.333	9
10	BIG QUALICUM RIVER	1282	4287	200	653	153	502	788	2657	0.119	0.734	10
	QUALICUM R.											
11	BLACK CREEK	4	13	3	10	0	0	0	0	0.000	0.000	11
12	BROTHER CREEK	2	6	1	3	1	3	2	6	0.500	1.500	12
13	BROWNS RIVER	19	65	11	37	1	3	6	20	0.053	0.368	13
14	BURMAN RIVER	6	16	3	7	0	0	27	77	0.000	4.500	14
15	CAMPBELL RIVER	1424	4657	192	583	89	278	664	2212	0.063	0.529	15
16	CAYCUSE RIVER	17	55	9	28	0	0	22	67	0.000	1.294	16
17	CAYEGHLE CREEK	19	58	5	15	3	8	13	42	0.158	0.842	17
19	CHEMAINUS RIVER	71	235	23	74	0	0	35	119	0.000	0.493	19
20	CHINA CREEK	24	81	9	30	0	0	20	68	0.000	0.833	20
21	CLUXEWE RIVER	173	554	28	88	13	41	171	529	0.075	1.064	21
22	COLEMAN CREEK	5	17	2	6	0	0	10	34	0.000	2.000	22
24	CONUMA RIVER	16	55	5	17	1	3	18	62	0.063	1.188	24
25	COUS CREEK	1	3	1	3	0	0	0	0	0.000	0.000	25
26	COWICHAN RIVER	2751	9287	304	1005	213	713	1945	6508	0.077	0.784	26
	COTTONWOOD, SKUTZ FAL											
29	CYPRE RIVER	5	13	3	6	0	0	0	0	0.000	0.000	29
30	DAVIE RIVER	8	27	3	10	0	0	1	3	0.000	0.125	30
31	DE MAMIEL CREEK	8	27	1	3	0	0	15	51	0.000	1.875	31
34	ENGLISHMAN RIVER	771	2607	115	379	60	198	862	2901	0.078	1.196	34
36	EVE RIVER	9	29	7	22	0	0	6	18	0.000	0.667	36
37	FISHERMAN RIVER	4	12	1	3	0	0	0	0	0.000	0.000	37
38	FRANKLIN RIVER	8	26	3	9	3	10	3	9	0.375	0.750	38
39	FRENCH CREEK	45	153	14	46	3	10	32	107	0.067	0.778	39
41	GOLD RIVER	966	3128	183	559	61	186	2106	6981	0.063	2.243	41
	UCONA R.											
42	GOLDSTREAM RIVER	27	93	5	17	0	0	3	10	0.000	0.111	42
43	GOODSPEED RIVER	127	437	8	27	7	24	19	65	0.055	0.205	43
44	GORDON RIVER	20	58	7	17	1	3	14	45	0.050	0.750	44
45	HARRIS CREEK	112	378	28	91	17	56	79	271	0.152	0.857	45
47	HASLAM CREEK	1	3	1	3	1	3	1	3	1.000	2.000	47
48	HEBER RIVER	23	77	8	26	0	0	73	248	0.000	3.174	48
55	KAIPIT CREEK	9	31	3	10	3	10	30	103	0.333	3.667	55
56	KAKWEIKEN RIVER	21	70	5	15	1	3	19	64	0.048	0.952	56
57	KAOUK RIVER	8	25	3	9	1	3	6	18	0.125	0.875	57
	ROWLAND CR.											
59	KEOGH RIVER	147	482	36	118	23	74	210	605	0.156	1.585	59
60	KENNEDY RIVER	2	5	2	5	0	0	0	0	0.000	0.000	60
63	KITSUCKSUS CREEK	10	34	2	6	0	0	7	24	0.000	0.700	63
66	KLINAKLINI RIVER	3	9	1	3	0	0	0	0	0.000	0.000	66
67	KOKISH RIVER	29	98	10	33	1	3	22	75	0.034	0.793	67
68	KOKSILAH RIVER	62	213	18	62	5	17	11	37	0.081	0.258	68
69	KOOTOWIS CREEK	8	22	4	10	0	0	2	6	0.000	0.250	69
	INDIAN R.											
71	LEINER RIVER	71	244	7	24	2	6	51	175	0.028	0.746	71

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
73	LITTLE QUALICUM RIVE	978	3316	146	481	109	370	828	2767	0.111	0.958	73
74	LITTLE ZEBALLOS RIVE	7	24	1	3	0	0	9	31	0.000	1.286	74
78	MAGGIE RIVER	7	16	3	6	0	0	0	0	0.000	0.000	78
	DRAW CR.											
79	MAHATTA RIVER	4	6	2	3	1	1	0	0	0.250	0.250	79
80	MALKSOPE RIVER	3	10	1	3	0	0	1	3	0.000	0.333	80
81	MARBLE RIVER	118	381	26	73	0	0	190	654	0.000	1.610	81
	AMAZON R.,LINK CR.											
82	MEGIN RIVER	9	21	3	7	0	0	5	15	0.000	0.556	82
85	MILLSTREAM RIVER	1	3	1	3	0	0	0	0	0.000	0.000	85
86	MOHUN CREEK	13	43	7	23	1	3	2	6	0.077	0.231	86
	TROUT CR.											
88	MUCHALAT RIVER	1	3	1	3	0	0	0	0	0.000	0.000	88
89	MUIR CREEK	17	58	3	10	4	13	8	27	0.235	0.706	89
90	NAHMINT RIVER	12	38	8	25	0	0	30	100	0.000	2.500	90
91	NAHWITTI RIVER	24	81	10	34	2	6	28	95	0.083	1.250	91
92	NANAIMO RIVER	879	2989	130	429	32	109	596	2037	0.036	0.714	92
93	NESOOK RIVER	3	10	2	6	0	0	0	0	0.000	0.000	93
94	NIMPKISH RIVER	179	605	49	159	4	13	186	637	0.022	1.061	94
95	NITINAT RIVER	18	52	11	31	0	0	6	16	0.000	0.333	95
	LITTLE NITINAT R.											
97	OYSTER RIVER	627	2117	105	343	44	149	587	2003	0.070	1.006	97
98	PACHENA RIVER	1	3	1	3	0	0	0	0	0.000	0.000	98
99	PARKER CREEK	1	3	1	3	0	0	0	0	0.000	0.000	99
100	PERRY RIVER	11	37	5	17	0	0	16	55	0.000	1.455	100
101	PUNTLEDGE RIVER	505	1734	49	162	48	165	279	956	0.095	0.648	101
	COURTENAY R.											
102	QUATSE RIVER	49	168	7	24	0	0	22	75	0.000	0.449	102
103	QUINSAM RIVER	966	3276	123	404	79	252	957	3259	0.082	1.072	103
104	ROBERTSON RIVER	5	16	3	9	0	0	8	27	0.000	1.600	104
106	RUSSIAN RIVER	1	3	1	3	0	0	0	0	0.000	0.000	106
107	SALMON RIVER	135	444	44	142	0	0	78	250	0.000	0.578	107
	BIGTREE CR.											
108	SAN JOSEF RIVER	31	106	3	10	1	3	5	17	0.032	0.194	108
109	SAN JUAN RIVER	91	273	26	83	11	34	110	321	0.121	1.330	109
	CLAPP,FLEET,GRANITE,											
112	SARITA RIVER	38	127	17	55	4	13	50	171	0.105	1.421	112
113	SHAW CREEK	4	12	1	3	0	0	0	0	0.000	0.000	113
115	SOMASS RIVER	684	2323	63	208	75	248	589	1986	0.110	0.971	115
	CHERRY CR.											
117	SOOKE RIVER	24	80	10	32	0	0	18	62	0.000	0.750	117
118	SPROAT RIVER	96	328	26	88	7	24	96	328	0.073	1.073	118
120	STAMP RIVER	2158	7225	364	1185	321	1081	2314	7735	0.149	1.221	120
121	STRANBY RIVER	7	19	3	8	2	5	0	0	0.286	0.286	121
	CACHE CR.											
122	SUCWOA RIVER	26	89	3	10	4	13	40	137	0.154	1.692	122
123	TAHSIS RIVER	64	218	8	26	5	16	47	161	0.078	0.813	123
124	TAHSISH RIVER	2	6	2	6	0	0	2	6	0.000	1.000	124
125	TAYLOR RIVER	4	13	1	3	0	0	0	0	0.000	0.000	125
126	TLUPANA RIVER	4	13	3	10	0	0	0	0	0.000	0.000	126
127	TOQUART RIVER	10	27	6	14	0	0	6	17	0.000	0.600	127
129	TRENT RIVER	29	99	7	24	0	0	7	24	0.000	0.241	129
130	TSABLE RIVER	13	44	6	20	1	3	1	3	0.077	0.154	130
131	TSITIKA RIVER	4	9	2	4	0	0	9	23	0.000	2.250	131

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
132	TSOLUM RIVER	87	299	5	17	0	0	9	31	0.000	0.103	132
133	TSOWWIN RIVER	8	27	4	13	1	3	15	51	0.125	2.000	133
134	TSULQUATE RIVER	5	17	1	3	1	3	9	31	0.200	2.000	134
139	WANOKANO CREEK	1	3	1	3	0	0	0	0	0.000	0.000	139
140	WAUKWASS CREEK	91	302	24	75	8	25	93	311	0.088	1.110	140
141	WHITE RIVER	13	43	5	16	1	3	29	94	0.077	2.308	141
144	WOSS RIVER	72	236	8	23	1	3	52	175	0.014	0.736	144
145	ZEBALLOS RIVER	13	41	7	20	0	0	15	49	0.000	1.154	145
147	ESCALANTE RIVER	1	3	1	3	0	0	0	0	0.000	0.000	147
148	SHUSHARTIE RIVER	1	3	1	3	0	0	2	6	0.000	2.000	148
149	COEUR D'ALENE CREEK	4	13	1	3	0	0	10	34	0.000	2.500	149
150	VILLAGE BAY CREEK	5	17	1	3	0	0	3	10	0.000	0.600	150
151	CAMBELL/QUINSAM RIVE	28	96	3	10	2	6	12	41	0.071	0.500	151
152	KLASKISH RIVER	2	6	1	3	0	0	3	10	0.000	1.500	152
	AREA TOTALS:	16605	55568	2675	8603	1436	4734	14788	49441	0.086	0.977	

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
165	ALOUETTE RIVER	2095	6692	216	687	111	354	777	2482	0.053	0.424	165
	SOUTH ALOUETTE R.											
167	ASHLU CREEK	27	86	14	44	0	0	16	51	0.000	0.593	167
169	BERTRAM CREEK	5	15	2	6	0	0	0	0	0.000	0.000	169
170	BIG SILVER CREEK	12	38	1	3	0	0	2	6	0.000	0.167	170
171	BIRKENHEAD RIVER	9	29	3	9	0	0	1	3	0.000	0.111	171
172	BREM RIVER	7	20	2	4	0	0	15	45	0.000	2.143	172
173	BRITTAIN RIVER	3	9	2	6	0	0	2	6	0.000	0.667	173
174	BRUNETTE RIVER	5	15	2	6	0	0	1	3	0.000	0.200	174
175	CAPILANO RIVER	970	3099	91	290	29	92	442	1412	0.030	0.486	175
	BROTHERS CR.											
176	CHAPMAN CREEK	41	131	14	44	11	35	19	60	0.268	0.732	176
177	CHEAKAMUS RIVER	521	1630	130	411	7	22	642	1998	0.013	1.246	177
	CHEEKYE R.											
178	CHEHALIS RIVER	167	533	51	162	4	12	124	396	0.024	0.766	178
	STATLU CR.											
179	CHILLIWACK RIVER	10644	33816	1207	3802	757	2402	7598	24188	0.071	0.785	179
	VEDDER R.											
180	COGBURN CREEK	5	15	2	6	0	0	1	3	0.000	0.200	180
181	COQUIHALLA RIVER	202	640	74	232	2	6	144	458	0.010	0.723	181
182	COQUITLAM RIVER	295	942	45	143	1	3	152	485	0.003	0.519	182
184	DAKOTA CREEK	10	31	2	6	1	3	0	0	0.100	0.100	184
185	DESERTED RIVER	1	3	1	3	0	0	1	3	0.000	1.000	185
186	ELAHO CREEK	2	6	1	3	0	0	2	6	0.000	1.000	186
188	FRASER RIVER	4551	14439	355	1109	273	860	150	471	0.060	0.093	188
190	GRAY CREEK	15	47	2	6	0	0	0	0	0.000	0.000	190
191	HARRISON RIVER	16	52	7	22	0	0	0	0	0.000	0.000	191
192	HASTINGS CREEK	2	6	1	3	0	0	0	0	0.000	0.000	192
193	HOMATHKO RIVER	3	9	1	3	0	0	7	22	0.000	2.333	193
196	INDIAN RIVER	13	41	4	12	0	0	6	19	0.000	0.462	196
197	KANAKA CREEK	67	213	16	50	1	3	19	60	0.015	0.299	197
198	KLITE RIVER	1	1	1	1	0	0	1	1	0.000	1.000	198
199	LANG CREEK	34	108	5	15	2	6	7	22	0.059	0.265	199
	WOLFSOHN CR.											
200	LANGDALE CREEK	4	12	1	3	0	0	4	12	0.000	1.000	200
201	LILLOOET RIVER	12	39	4	12	0	0	1	3	0.000	0.083	201
202	LITTLE CAMPBELL RIVE	915	2903	86	269	51	162	430	1373	0.056	0.526	202
205	LYNN CREEK	52	166	13	41	2	6	26	83	0.038	0.538	205
206	MCNAB CREEK	4	12	1	3	1	3	4	12	0.250	1.250	206
207	MAMQUAM RIVER	37	113	15	46	1	3	7	22	0.027	0.216	207
209	MATSQUI SLOUGH	2	6	1	3	0	0	1	3	0.000	0.500	209
210	MORRIS CREEK	3	9	2	6	0	0	0	0	0.000	0.000	210
211	NAHATLATCH RIVER	46	140	16	47	4	11	13	41	0.087	0.370	211
212	NATHAN CREEK	2	6	1	3	0	0	0	0	0.000	0.000	212
	BEAVER CR.											
213	NICOMEKL RIVER	333	1064	36	115	4	12	43	137	0.012	0.141	213
214	NICOMEN SLOUGH	9	28	4	12	0	0	0	0	0.000	0.000	214
	DEWDNEY SLOUGH											
215	NORRISH CREEK	15	47	7	22	0	0	5	15	0.000	0.333	215
	SUICIDE CR.											
218	PHILLIPS RIVER	2	6	1	3	0	0	0	0	0.000	0.000	218
219	PITT RIVER	40	127	6	19	0	0	56	178	0.000	1.400	219
221	QUATAM RIVER	3	9	1	3	0	0	4	12	0.000	1.333	221
222	RAINY RIVER	74	236	13	41	3	9	8	25	0.041	0.149	222

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
223	ROBERTS CREEK	6	19	1	3	0	0	1	3	0.000	0.167	223
225	SALMON RIVER	2	6	1	3	0	0	0	0	0.000	0.000	225
226	SECHELT CREEK	3	9	2	6	0	0	0	0	0.000	0.000	226
227	SERPENTINE RIVER	21	67	4	12	0	0	0	0	0.000	0.000	227
228	SEYMOUR RIVER	1015	3242	118	375	25	79	364	1162	0.025	0.383	228
229	SILVERDALE CREEK	5	15	2	6	0	0	1	3	0.000	0.200	229
230	SILVERHOPE CREEK SILVER CR.	69	220	21	67	3	9	43	137	0.043	0.667	230
232	SLOQUET CREEK SPRING CR.	2	6	2	6	0	0	1	3	0.000	0.500	232
233	SOUTHGATE RIVER	4	12	2	6	0	0	2	6	0.000	0.500	233
235	SQUAMISH RIVER	506	1604	123	385	2	6	437	1392	0.004	0.868	235
236	STAVE RIVER	48	153	15	47	1	3	5	15	0.021	0.125	236
238	SUMAS RIVER	19	58	10	29	2	4	7	15	0.105	0.474	238
242	TOBA RIVER	2	6	1	3	0	0	0	0	0.000	0.000	242
243	TZOONIE RIVER	4	12	2	6	0	0	1	3	0.000	0.250	243
244	VANCOUVER RIVER	1	3	1	3	0	0	0	0	0.000	0.000	244
246	WEAVER CREEK	23	73	6	19	0	0	19	60	0.000	0.826	246
248	WHONOCK CREEK	30	95	2	6	0	0	2	6	0.000	0.067	248
249	WIDGEON CREEK	3	9	2	6	0	0	0	0	0.000	0.000	249
250	WILSON CREEK	4	12	2	6	0	0	0	0	0.000	0.000	250
	AREA TOTALS:	23043	73210	2778	8731	1298	4105	11614	36921	0.056	0.560	

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
272	BRIDGE RIVER	4	10	1	2	0	0	0	0	0.000	0.000	272
273	CAYOOSH RIVER	35	84	6	15	2	3	7	14	0.057	0.257	273
275	NICOLA RIVER	6	16	2	4	0	0	0	0	0.000	0.000	275
276	SETON RIVER	3	9	1	3	1	3	2	6	0.333	1.000	276
277	STEIN RIVER	4	11	1	2	0	0	4	11	0.000	1.000	277
278	THOMPSON RIVER	4825	13365	937	2635	855	2347	1879	5087	0.177	0.567	278
	AREA TOTALS:	4877	13495	948	2661	858	2353	1892	5118	0.176	0.564	

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
300	ATNARKO RIVER	197	601	59	175	41	119	82	226	0.208	0.624	300
301	BELLA COOLA RIVER SNOOTLI CR.	1014	2779	196	544	155	410	666	1520	0.153	0.810	301
303	CHILCOTIN RIVER ALEXIS CR,CHILANKO R	162	537	66	212	27	88	65	216	0.167	0.568	303
304	CHILKO RIVER	16	54	5	16	1	3	0	0	0.063	0.063	304
305	CHUCKWALLA RIVER	157	349	34	64	55	101	276	614	0.350	2.108	305
307	DEAN RIVER	1721	3719	303	656	192	470	3795	7481	0.112	2.317	307
308	KILBELLA RIVER	65	161	24	46	13	27	123	307	0.200	2.092	308
309	KIMSQUIT RIVER	15	26	3	6	0	0	0	0	0.000	0.000	309
311	KWATNA RIVER	6	18	2	5	1	2	2	5	0.167	0.500	311
313	NEKITE RIVER	9	30	2	6	1	3	42	142	0.111	4.778	313
319	TALCHAKO RIVER	1	3	1	3	0	0	0	0	0.000	0.000	319
323	PIPER RIVER	1	3	1	3	2	6	9	28	2.000	11.000	323
324	MILTON RIVER	2	6	1	3	1	3	1	3	0.500	1.000	324
	AREA TOTALS:	3366	8286	697	1739	489	1232	5061	10542	0.145	1.649	

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
325	BABINE RIVER	1047	2075	180	358	36	85	1462	2675	0.034	1.431	325
329	BULKLEY RIVER	3411	9797	516	1399	374	1108	1212	3197	0.110	0.465	329
	BOULDER,CHICKEN,TOBO											
330	BULKLEY/MORICE RIVER	139	300	10	21	8	22	142	300	0.058	1.079	330
332	CEDAR CREEK	9	30	4	13	4	13	12	40	0.444	1.778	332
333	CLORE RIVER	44	132	14	36	11	32	30	91	0.250	0.932	333
334	CRANBERRY RIVER	232	677	68	194	62	184	140	448	0.267	0.871	334
335	DALA RIVER	2	6	2	6	1	3	2	6	0.500	1.500	335
336	DAMDOCHAX CREEK	44	68	10	15	12	18	58	90	0.273	1.591	336
	BLACKWATER R.											
337	ECSTALL RIVER	11	36	3	7	0	0	0	0	0.000	0.000	337
	FALLS R.											
338	ENSHESHESE RIVER	1	3	1	3	0	0	0	0	0.000	0.000	338
339	EXCHAMSIKS RIVER	10	33	1	3	0	0	0	0	0.000	0.000	339
340	EXSTEW RIVER	3	9	2	6	0	0	0	0	0.000	0.000	340
342	GITNADOIX RIVER	2	6	2	6	0	0	1	3	0.000	0.500	342
344	INKLIN RIVER	4	6	1	1	2	3	2	3	0.500	1.000	344
345	ISHKEENICKH RIVER	43	128	16	47	13	39	69	223	0.302	1.907	345
346	JOHANSON RIVER	2	6	1	3	0	0	1	3	0.000	0.500	346
347	KASIKS RIVER	22	73	4	12	0	0	0	0	0.000	0.000	347
348	KEMANO RIVER	2	6	1	3	0	0	1	3	0.000	0.500	348
350	KHYEX RIVER	13	43	3	9	0	0	12	41	0.000	0.923	350
351	KILDALA RIVER	2	6	1	3	0	0	0	0	0.000	0.000	351
354	KISPIOX RIVER	954	2116	168	382	35	83	595	1323	0.037	0.660	354
	SWEETIN R.											
355	KITEEN RIVER	28	86	12	36	2	6	12	40	0.071	0.500	355
356	KITIMAT RIVER	1105	3639	120	378	129	418	208	672	0.117	0.305	356
	HIRSCH,LITTLE WEDEEN											
358	KITSEQUECLA RIVER	53	171	6	17	8	20	16	53	0.151	0.453	358
360	KITSUMKALUM RIVER	1465	4823	223	714	149	487	497	1636	0.102	0.441	360
	BEAVER R.,KALUM R.											
362	KITWANGA RIVER	21	68	6	17	0	0	0	0	0.000	0.000	362
363	KLEANZA CREEK	1	3	1	3	0	0	0	0	0.000	0.000	363
364	KLOIYA RIVER	318	1061	30	95	18	56	132	436	0.057	0.472	364
365	KLUATANTAN RIVER	12	18	2	3	1	1	13	20	0.083	1.167	365
369	KWINAMASS RIVER	10	33	4	13	3	10	39	130	0.300	4.200	369
370	LACHMACH RIVER	1	3	1	3	0	0	0	0	0.000	0.000	370
371	LAKELSE RIVER	932	2989	167	520	61	200	387	1258	0.065	0.481	371
	COLDWATER,WILLIAMS C											
372	MEZIADIN RIVER	15	47	5	14	1	3	0	0	0.067	0.067	372
373	MORICE RIVER	1599	4553	276	741	149	446	915	2401	0.093	0.665	373
375	NAHLIN RIVER	4	13	1	3	0	0	0	0	0.000	0.000	375
376	NAKINA RIVER	46	89	10	18	1	2	143	351	0.022	3.130	376
377	NANIKA RIVER	3	10	1	3	0	0	0	0	0.000	0.000	377
378	NASS RIVER	109	267	32	82	19	52	52	127	0.174	0.651	378
379	NILKITKWA RIVER	2	3	1	1	0	0	0	0	0.000	0.000	379
382	SHEGUNIA RIVER	1	3	1	3	0	0	0	0	0.000	0.000	382
385	SKEENA RIVER	4620	12639	591	1578	512	1293	973	2571	0.111	0.321	385
	BOULDER,FIDDLER,KWIN											
386	STIKINE RIVER	12	32	4	9	3	8	1	3	0.250	0.333	386
387	SUSKWA RIVER	40	86	22	50	0	0	4	8	0.000	0.100	387
	BEAR R.											
388	SUSTUT RIVER	296	678	50	112	30	71	185	388	0.101	0.726	388
	BEAR R.											

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
390	TAHLTAN RIVER	42	122	12	32	27	78	37	115	0.643	1.524	390
391	TAKU RIVER	23	35	4	6	8	12	26	40	0.348	1.478	391
394	TELKWA RIVER	41	120	15	42	3	10	6	10	0.073	0.220	394
395	TSEAX RIVER	124	400	36	113	25	83	62	205	0.202	0.702	395
399	ZYMAGOTITZ RIVER ZIMACOR R.	7	23	4	13	3	10	1	3	0.429	0.571	399
400	ZYMOETZ RIVER COPPER R.	756	2377	145	426	85	259	373	1181	0.112	0.606	400
	AREA TOTALS:	17683	49947	2790	7573	1795	5115	7821	20094	0.102	0.544	

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP.	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
425	AIN RIVER	3	10	1	3	0	0	3	10	0.000	1.000	425
428	CHURCH CREEK	6	20	2	6	1	3	31	103	0.167	5.333	428
429	COPPER CREEK	192	632	32	101	26	86	217	712	0.135	1.266	429
430	DATLAMEN CREEK	1	3	1	3	0	0	2	6	0.000	2.000	430
431	DAVIDSON CREEK	3	10	2	6	0	0	9	30	0.000	3.000	431
432	DEENA CREEK	98	305	28	83	10	32	128	400	0.102	1.408	432
434	HIELLEN RIVER	31	102	9	29	4	13	1	3	0.129	0.161	434
435	HONNA RIVER	78	258	19	62	22	71	56	184	0.282	1.000	435
436	MAMIN RIVER	162	535	26	84	33	107	158	528	0.204	1.179	436
437	MATHERS CREEK	10	33	1	3	1	3	15	50	0.100	1.600	437
438	NADEN RIVER	8	19	3	7	0	0	11	27	0.000	1.375	438
439	PALLANT CREEK	110	359	19	58	20	66	191	620	0.182	1.918	439
	MORESBY L.,MOSQUITO											
441	SANGAN RIVER	24	80	3	10	1	3	0	0	0.042	0.042	441
442	SKEDANS CREEK	2	4	2	4	0	0	3	10	0.000	1.500	442
445	TLELL RIVER	137	429	41	120	45	139	38	115	0.328	0.606	445
446	YAKOUN RIVER	909	2899	145	455	195	634	1122	3637	0.215	1.449	446
447	HAANS CREEK	3	10	1	3	0	0	4	13	0.000	1.333	447
	AREA TOTALS:	1777	5708	335	1037	358	1157	1989	6448	0.201	1.321	

TABLE V - ANGLER DAYS AND CATCH SUCCESS, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	KEPT REP	KEPT EST	RELEASED REP	RELEASED EST	KEPT/DAY	CATCH/DAY	STR#
555	UNKNOWN STREAMS	429	1156	131	354	29	68	65	154	0.068	0.219	555
	TOTAL FOR ALL AREAS:	67780	207370	10354	30698	6263	18764	43230	128718	0.092	0.730	

Anglers who did not report no. of days fished are not included in this report.

TABLE VA - ANGLER DAYS AND CATCH SUCCESS - WILD AND HATCHERY, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	WILD KEPT REP	WILD KEPT EST	WILD RELEASED REP	WILD RELEASED EST	HATCHERY KEPT REP	HATCHERY KEPT EST	HATCHERY RELEASED REP	HATCHERY RELEASED EST	STR#
1	ADAM RIVER	8	26	5	17	0	0	10	33	0	0	0	0	1
2	AHNUHATI RIVER	7	22	3	8	1	3	4	12	0	0	0	0	2
3	AMOR DE COSMOS RIVER BEAR R.	37	121	21	69	3	10	53	177	0	0	0	0	3
5	ARTLISH RIVER	2	7	2	7	0	0	1	3	0	0	0	0	5
6	ASH RIVER	27	93	11	38	0	0	14	48	0	0	3	10	6
7	ATLATZI RIVER	9	31	1	3	0	0	24	83	0	0	0	0	7
9	BENSON RIVER	3	10	1	3	0	0	4	14	0	0	0	0	9
10	BIG QUALICUM RIVER QUALICUM R.	1282	4291	200	656	16	53	437	1468	137	452	351	1193	10
11	BLACK CREEK	4	14	3	10	0	0	0	0	0	0	0	0	11
12	BROTHER CREEK	2	6	1	3	0	0	1	3	1	3	1	3	12
13	BROWNS RIVER	19	65	11	38	0	0	6	20	1	3	0	0	13
14	BURMAN RIVER	6	17	3	8	0	0	27	78	0	0	0	0	14
15	CAMPBELL RIVER	1424	4659	192	586	1	3	257	853	88	276	407	1361	15
16	CAYCUSE RIVER	17	57	9	29	0	0	22	68	0	0	0	0	16
17	CAYEGHLE CREEK	19	59	5	16	3	8	13	43	0	0	0	0	17
19	CHEMAINUS RIVER	71	238	23	76	0	0	35	120	0	0	0	0	19
20	CHINA CREEK	24	82	9	31	0	0	19	65	0	0	1	3	20
21	CLUXEWE RIVER	173	556	28	90	8	26	148	458	5	17	23	74	21
22	COLEMAN CREEK	5	17	2	7	0	0	10	34	0	0	0	0	22
24	CONUMA RIVER	16	55	5	17	1	3	18	62	0	0	0	0	24
25	COUS CREEK	1	3	1	3	0	0	0	0	0	0	0	0	25
26	COWICHAN RIVER COTTONWOOD,SKUTZ FAL	2751	9289	304	1008	92	300	1795	6000	121	415	150	510	26
29	CYPRE RIVER	5	15	3	8	0	0	0	0	0	0	0	0	29
30	DAVIE RIVER	8	28	3	10	0	0	1	3	0	0	0	0	30
31	DE MAMIEL CREEK	8	28	1	3	0	0	15	52	0	0	0	0	31
34	ENGLISHMAN RIVER	771	2610	115	382	1	3	563	1883	59	198	299	1021	34
36	EVE RIVER	9	30	7	23	0	0	6	20	0	0	0	0	36
37	FISHERMAN RIVER	4	13	1	3	0	0	0	0	0	0	0	0	37
38	FRANKLIN RIVER	8	27	3	10	3	10	3	10	0	0	0	0	38
39	FRENCH CREEK	45	154	14	47	0	0	29	98	3	10	3	10	39
41	GOLD RIVER UCONA R.	966	3131	183	563	47	142	1997	6612	14	46	109	371	41
42	GOLDSTREAM RIVER	27	93	5	17	0	0	3	10	0	0	0	0	42
43	GOODSPEED RIVER	127	438	8	28	7	24	19	65	0	0	0	0	43
44	GORDON RIVER	20	59	7	19	1	3	14	47	0	0	0	0	44
45	HARRIS CREEK	112	381	28	93	16	55	77	265	1	3	2	7	45
47	HASLAM CREEK	1	3	1	3	1	3	1	3	0	0	0	0	47
48	HEBER RIVER	23	78	8	27	0	0	73	250	0	0	0	0	48
55	KAIPIT CREEK	9	31	3	10	3	10	20	69	0	0	10	34	55
56	KAKWEIKEN RIVER	21	71	5	16	1	3	19	65	0	0	0	0	56
57	KAOUK RIVER ROWLAND CR.	8	26	3	10	1	3	6	19	0	0	0	0	57
59	KEOGH RIVER	147	485	36	120	1	2	96	284	22	74	114	322	59
60	KENNEDY RIVER	2	6	2	6	0	0	0	0	0	0	0	0	60
63	KITSUCKSUS CREEK	10	34	2	7	0	0	7	24	0	0	0	0	63
66	KLINAKLINI RIVER	3	10	1	3	0	0	0	0	0	0	0	0	66

TABLE VA - ANGLER DAYS AND CATCH SUCCESS - WILD AND HATCHERY, 1984-85

STR#	STREAM NAME	WILD								HATCHERY							
		DAYS FISHED		NO. ANGLERS		KEPT		RELEASED		KEPT		RELEASED					
		REP	EST	REP	EST	REP	EST	REP	EST	REP	EST	REP	EST				
67	KOKISH RIVER	29	99	10	34	1	3	22	76	0	0	0	0	67			
68	KOKSILAH RIVER	62	214	18	62	5	17	11	38	0	0	0	0	68			
69	KOOTOWIS CREEK	8	23	4	12	0	0	2	7	0	0	0	0	69			
	INDIAN R.	71	245	7	24	1	3	51	176	1	3	0	0	71			
71	LEINER RIVER	978	3319	146	484	0	0	525	1762	109	372	303	1007	73			
73	LITTLE QUALICUM RIVE	7	24	1	3	0	0	9	31	0	0	0	0	74			
74	LITTLE ZEBALLOS RIVE	7	18	3	8	0	0	0	0	0	0	0	0	78			
78	MAGGIE RIVER	4	6	2	3	1	2	0	0	0	0	0	0	79			
	DRAW CR.	3	10	1	3	0	0	1	3	0	0	0	0	80			
79	MAHATTA RIVER	118	383	26	76	0	0	184	634	0	0	6	21	81			
80	MALKSOPE RIVER	9	22	3	8	0	0	5	16	0	0	0	0	82			
81	MARBLE RIVER	1	3	1	3	0	0	0	0	0	0	0	0	85			
	AMAZON R.,LINK CR.	13	44	7	24	1	3	2	7	0	0	0	0	86			
82	MEGIN RIVER	1	3	1	3	0	0	0	0	0	0	0	0	88			
85	MILLSTREAM RIVER	17	59	3	10	3	10	8	28	1	3	0	0	89			
86	MOHUN CREEK	12	39	8	26	0	0	30	101	0	0	0	0	90			
	TROUT CR.	24	82	10	34	2	7	28	96	0	0	0	0	91			
88	MUCHALAT RIVER	879	2992	130	431	1	3	540	1848	31	107	56	192	92			
89	MUIR CREEK	3	10	2	7	0	0	0	0	0	0	0	0	93			
90	NAHMINT RIVER	179	609	49	162	4	14	180	617	0	0	6	21	94			
91	NAHWITTI RIVER	18	54	11	33	0	0	6	18	0	0	0	0	95			
92	NANAIMO RIVER	627	2119	105	345	2	7	316	1079	42	144	271	927	97			
93	NESOOK RIVER	1	3	1	3	0	0	0	0	0	0	0	0	98			
94	NIMPKISH RIVER	1	3	1	3	0	0	0	0	0	0	0	0	99			
95	NITINAT RIVER	11	38	5	17	0	0	16	55	0	0	0	0	100			
	LITTLE NITINAT R.	505	1735	49	164	0	0	160	549	48	165	119	408	101			
97	OYSTER RIVER	49	169	7	24	0	0	19	65	0	0	3	10	102			
98	PACHENA RIVER	966	3278	123	407	15	41	606	2063	64	213	351	1198	103			
99	PARKER CREEK	5	17	3	10	0	0	0	0	0	0	8	28	104			
100	PERRY RIVER	1	3	1	3	0	0	0	0	0	0	0	0	106			
101	PUNTLEDGE RIVER	135	446	44	144	0	0	73	235	0	0	5	17	107			
	COURTENAY R.	31	107	3	10	1	3	5	17	0	0	0	0	108			
102	QUATSE RIVER	91	275	26	85	11	34	108	315	0	0	2	7	109			
103	QUINSAM RIVER	38	129	17	56	4	14	50	172	0	0	0	0	112			
104	ROBERTSON RIVER	4	13	1	3	0	0	0	0	0	0	0	0	113			
106	RUSSIAN RIVER	684	2326	63	210	1	3	330	1111	74	246	259	877	115			
107	SALMON RIVER	24	82	10	33	0	0	17	59	0	0	1	3	117			
	BIGTREE CR.	96	330	26	89	0	0	38	130	7	24	58	200	118			
108	SAN JOSEF RIVER	2158	7228	364	1189	5	17	1450	4879	316	1066	864	2860	120			
109	SAN JUAN RIVER	7	21	3	9	2	5	0	0	0	0	0	0	121			
	CLAPP,FLEET,GRANITE,																
112	SARITA RIVER																
113	SHAW CREEK																
115	SOMASS RIVER																
	CHERRY CR.																
117	SOOKE RIVER																
118	SPROAT RIVER																
120	STAMP RIVER																
121	STRANBY RIVER																
	CACHE CR.																

TABLE VA - ANGLER DAYS AND CATCH SUCCESS - WILD AND HATCHERY, 1984-85

STR#	STREAM NAME	WILD: DAYS FISHED REP	WILD: DAYS FISHED EST	WILD: NO. ANGLERS REP	WILD: NO. ANGLERS EST	WILD: KEPT REP	WILD: KEPT EST	WILD: RELEASED REP	WILD: RELEASED EST	HATCHERY: KEPT REP	HATCHERY: KEPT EST	HATCHERY: RELEASED REP	HATCHERY: RELEASED EST	STR#
122	SUCWOA RIVER	26	90	3	10	2	7	40	138	2	7	0	0	122
123	TAHSIS RIVER	64	220	8	27	5	17	47	162	0	0	0	0	123
124	TAHSISH RIVER	2	7	2	7	0	0	2	7	0	0	0	0	124
125	TAYLOR RIVER	4	14	1	3	0	0	0	0	0	0	0	0	125
126	TLUPANA RIVER	4	14	3	10	0	0	0	0	0	0	0	0	126
127	TOQUART RIVER	10	30	6	17	0	0	6	19	0	0	0	0	127
129	TRENT RIVER	29	100	7	24	0	0	7	24	0	0	0	0	129
130	TSABLE RIVER	13	45	6	21	1	3	1	3	0	0	0	0	130
131	TSITIKA RIVER	4	10	2	5	0	0	9	23	0	0	0	0	131
132	TSOLUM RIVER	87	300	5	17	0	0	9	31	0	0	0	0	132
133	TSOWWIN RIVER	8	28	4	14	0	0	15	52	1	3	0	0	133
134	TSULQUATE RIVER	5	17	1	3	0	0	7	24	1	3	2	7	134
139	WANOKANO CREEK	1	3	1	3	0	0	0	0	0	0	0	0	139
140	WAUKWASS CREEK	91	305	24	77	8	27	93	314	0	0	0	0	140
141	WHITE RIVER	13	43	5	17	0	0	29	95	1	3	0	0	141
144	WOSS RIVER	72	237	8	24	1	3	50	169	0	0	2	7	144
145	ZEBALLOS RIVER	13	42	7	22	0	0	15	50	0	0	0	0	145
147	ESCALANTE RIVER	1	3	1	3	0	0	0	0	0	0	0	0	147
148	SHUSHARTIE RIVER	1	3	1	3	0	0	2	7	0	0	0	0	148
149	COEUR D'ALENE CREEK	4	14	1	3	0	0	10	34	0	0	0	0	149
150	VILLAGE BAY CREEK	5	17	1	3	0	0	3	10	0	0	0	0	150
151	CAMBELL/QUINSAM RIVE	28	96	3	10	0	0	8	28	2	7	4	14	151
152	KLASKISH RIVER	2	7	1	3	0	0	3	10	0	0	0	0	152
	AREA TOTALS:	16605	55694	2675	8711	284	907	10995	36808	1152	3863	3793	12723	

TABLE VA - ANGLER DAYS AND CATCH SUCCESS - WILD AND HATCHERY, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	WILD KEPT REP	WILD KEPT EST	WILD RELEASED REP	WILD RELEASED EST	HATCHERY KEPT REP	HATCHERY KEPT EST	HATCHERY RELEASED REP	HATCHERY RELEASED EST	STR#
165	ALOUETTE RIVER	2095	6694	216	689	1	3	557	1780	110	351	220	703	165
	SOUTH ALOUETTE R.	27	86	14	45	0	0	16	51	0	0	0	0	167
167	ASHLU CREEK	5	16	2	6	0	0	0	0	0	0	0	0	169
169	BERTRAM CREEK	12	38	1	3	0	0	1	3	0	0	1	3	170
170	BIG SILVER CREEK	9	30	3	10	0	0	0	0	0	0	1	3	171
171	BIRKENHEAD RIVER	7	21	2	5	0	0	15	46	0	0	0	0	172
172	BREM RIVER	3	10	2	6	0	0	2	6	0	0	0	0	173
173	BRITTAIN RIVER	5	16	2	6	0	0	0	0	0	0	1	3	174
174	BRUNETTE RIVER	970	3099	91	291	3	10	317	1013	26	83	125	399	175
175	CAPILANO RIVER													
	BROTHERS CR.	41	131	14	45	8	26	19	61					
176	CHAPMAN CREEK	521	1632	130	412	5	16	635	1978	3	10	0	0	176
177	CHEAKAMUS RIVER									2	6	7	22	177
	CHEEKYE R.	167	534	51	163	0	0	107	342	4	13	17	54	178
178	CHEHALIS RIVER													
	STATLU CR.	10644	33822	1207	3806	17	52	5808	18470	740	2354	1790	5721	179
179	CHILLIWACK RIVER													
	VEDDER R.	5	16	2	6	0	0	1	3					
180	COGBURN CREEK	202	642	74	235	0	0	104	331	0	0	0	0	180
181	COQUIHALLA RIVER	295	944	45	144	1	3	151	483	2	6	40	127	181
182	COQUITLAM RIVER	10	32	2	6	1	3	0	0	0	0	1	3	182
184	DAKOTA CREEK	1	3	1	3	0	0	1	3	0	0	0	0	184
185	DESERTED RIVER	2	6	1	3	0	0	2	6	0	0	0	0	185
186	ELAHO CREEK	4551	14444	355	1113	252	796	111	347	21	67	39	125	186
188	FRASER RIVER	15	48	2	6	0	0	0	0	0	0	0	0	188
190	GRAY CREEK	16	52	7	23	0	0	0	0	0	0	0	0	190
191	HARRISON RIVER	2	6	1	3	0	0	0	0	0	0	0	0	191
192	HASTINGS CREEK	3	10	1	3	0	0	0	0	0	0	0	0	192
193	HOMATHKO RIVER	13	42	4	13	0	0	7	22	0	0	0	0	193
196	INDIAN RIVER	67	214	16	51	0	0	6	19	0	0	0	0	196
197	KANAKA CREEK	1	2	1	2	0	0	17	54	1	3	2	6	197
198	KLITE RIVER	34	109	5	16	2	6	1	2	0	0	0	0	198
199	LANG CREEK							7	22	0	0	0	0	199
	WOLFSOHN CR.	4	13	1	3	0	0	4	13					
200	LANGDALE CREEK	12	40	4	13	0	0	1	3	0	0	0	0	200
201	LILLOOET RIVER	915	2905	86	270	0	0	256	818	0	0	0	0	201
202	LITTLE CAMPBELL RIVE	52	166	13	42	1	3	25	80	51	163	174	556	202
205	LYNN CREEK	4	13	1	3	1	3	4	13	1	3	1	3	205
206	MCNAB CREEK	37	115	15	48	0	0	7	22	0	0	0	0	206
207	MAMQUAM RIVER	2	6	1	3	0	0	1	3	1	3	0	0	207
209	MATSQUI SLOUGH	3	10	2	6	0	0	0	0	0	0	0	0	209
210	MORRIS CREEK	46	141	16	49	4	12	13	42	0	0	0	0	210
211	NAHATLATCH RIVER	2	6	1	3	0	0	0	0	0	0	0	0	211
212	NATHAN CREEK									0	0	0	0	212
	BEAVER CR.	333	1064	36	115	0	0	35	112	4	13	8	26	213
213	NICOMEKL RIVER	9	29	4	13	0	0	0	0	0	0	0	0	214
214	NICOMEN SLOUGH													
	DEWDNEY SLOUGH	15	48	7	22	0	0	5	16	0	0	0	0	215
215	NORRISH CREEK													

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	WILD KEPT REP	WILD KEPT EST	WILD RELEASED REP	WILD RELEASED EST	HATCHERY KEPT REP	HATCHERY KEPT EST	HATCHERY RELEASED REP	HATCHERY RELEASED EST	STR#
	SUICIDE CR.													
218	PHILLIPS RIVER	2	7	1	3	0	0	0	0	0	0	0	0	218
219	PITT RIVER	40	128	6	19	0	0	56	179	0	0	0	0	219
221	QUATAM RIVER	3	10	1	3	0	0	4	13	0	0	0	0	221
222	RAINY RIVER	74	236	13	42	3	10	8	26	0	0	0	0	222
223	ROBERTS CREEK	6	19	1	3	0	0	1	3	0	0	0	0	223
225	SALMON RIVER	2	6	1	3	0	0	0	0	0	0	0	0	225
226	SECHELT CREEK	3	10	2	6	0	0	0	0	0	0	0	0	226
227	SERPENTINE RIVER	21	67	4	13	0	0	0	0	0	0	0	0	227
228	SEYMOUR RIVER	1015	3244	118	377	1	3	245	783	24	77	119	380	228
229	SILVERDALE CREEK	5	16	2	6	0	0	1	3	0	0	0	0	229
230	SILVERHOPE CREEK	69	220	21	67	2	6	37	118	1	3	6	19	230
	SILVER CR.													
232	SLOQUET CREEK	2	6	2	6	0	0	1	3	0	0	0	0	232
	SPRING CR.													
233	SOUTHGATE RIVER	4	13	2	7	0	0	2	6	0	0	0	0	233
235	SQUAMISH RIVER	506	1608	123	389	0	0	410	1308	2	6	27	86	235
236	STAVE RIVER	48	154	15	48	0	0	3	10	1	3	2	6	236
238	SUMAS RIVER	19	59	10	31	0	0	5	9	2	5	2	6	238
242	TOBA RIVER	2	6	1	3	0	0	0	0	0	0	0	0	242
243	TZOONIE RIVER	4	13	2	6	0	0	1	3	0	0	0	0	243
244	VANCOUVER RIVER	1	3	1	3	0	0	0	0	0	0	0	0	244
246	WEAVER CREEK	23	73	6	19	0	0	19	61	0	0	0	0	246
248	WHONOCK CREEK	30	96	2	6	0	0	2	6	0	0	0	0	248
249	WIDGEON CREEK	3	10	2	6	0	0	0	0	0	0	0	0	249
250	WILSON CREEK	4	13	2	6	0	0	0	0	0	0	0	0	250
	AREA TOTALS:	23043	73272	2778	8778	302	952	9031	28695	996	3169	2583	8251	

TABLE VA - ANGLER DAYS AND CATCH SUCCESS - WILD AND HATCHERY, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	WILD KEPT REP	WILD KEPT EST	WILD RELEASED REP	WILD RELEASED EST	HATCHERY KEPT REP	HATCHERY KEPT EST	HATCHERY RELEASED REP	HATCHERY RELEASED EST	STR#
272	BRIDGE RIVER	4	11	1	3	0	0	0	0	0	0	0	0	272
273	CAYOOSH RIVER	35	86	6	16	2	3	7	14	0	0	0	0	273
275	NICOLA RIVER	6	16	2	5	0	0	0	0	0	0	0	0	275
276	SETON RIVER	3	10	1	3	1	3	2	6	0	0	0	0	276
277	STEIN RIVER	4	11	1	3	0	0	4	11	0	0	0	0	277
278	THOMPSON RIVER	4825	13371	937	2640	826	2275	1841	5002	29	76	38	88	278
	AREA TOTALS:	4877	13505	948	2670	829	2281	1854	5033	29	76	38	88	

STR#	STREAM NAME	WILD DAYS FISHED REP	WILD DAYS FISHED EST	WILD NO. ANGLERS REP	WILD NO. ANGLERS EST	WILD KEPT REP	WILD KEPT EST	WILD RELEASED REP	WILD RELEASED EST	HATCHERY KEPT REP	HATCHERY KEPT EST	HATCHERY RELEASED REP	HATCHERY RELEASED EST	STR#
300	ATNARKO RIVER	197	606	59	180	41	122	80	226	0	0	2	4	300
301	BELLA COOLA RIVER	1014	2783	196	548	148	399	657	1507	7	17	9	17	301
	SNOOTLI CR.													
303	CHILCOTIN RIVER	162	540	66	216	27	90	65	218	0	0	0	0	303
	ALEXIS CR,CHILANKO R													
304	CHILKO RIVER	16	55	5	17	1	3	0	0	0	0	0	0	304
305	CHUCKWALLA RIVER	157	350	34	66	55	103	276	615	0	0	0	0	305
307	DEAN RIVER	1721	3724	303	661	191	472	3787	7459	1	2	8	26	307
308	KILBELLA RIVER	65	163	24	49	13	29	123	308	0	0	0	0	308
309	KIMSQUIT RIVER	15	27	3	7	0	0	0	0	0	0	0	0	309
311	KWATNA RIVER	6	19	2	6	1	3	2	5	0	0	0	0	311
313	NEKITE RIVER	9	31	2	7	1	3	42	143	0	0	0	0	313
319	TALCHAKO RIVER	1	3	1	3	0	0	0	0	0	0	0	0	319
323	PIPER RIVER	1	3	1	3	2	6	9	29	0	0	0	0	323
324	MILTON RIVER	2	7	1	3	1	3	1	3	0	0	0	0	324
	AREA TOTALS:	3366	8311	697	1766	481	1233	5042	10513	8	19	19	47	

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	WILD KEPT REP	WILD KEPT EST	WILD RELEASED REP	WILD RELEASED EST	HATCHERY KEPT REP	HATCHERY KEPT EST	HATCHERY RELEASED REP	HATCHERY RELEASED EST	STR#
325	BABINE RIVER	1047	2080	180	364	35	87	1426	2623	1	2	36	56	325
329	BULKLEY RIVER BOULDER,CHICKEN,TOBO	3411	9801	516	1403	364	1087	1172	3106	10	25	40	95	329
330	BULKLEY/MORICE RIVER	139	303	10	23	8	23	142	301	0	0	0	0	330
332	CEDAR CREEK	9	30	4	13	4	13	12	40	0	0	0	0	332
333	CLORE RIVER	44	135	14	38	11	33	30	93	0	0	0	0	333
334	CRANBERRY RIVER	232	681	68	197	62	186	140	450	0	0	0	0	334
335	DALA RIVER	2	7	2	7	1	3	2	7	0	0	0	0	335
336	DAMDOCHAX CREEK BLACKWATER R.	44	68	10	16	12	19	58	90	0	0	0	0	336
337	ECSTALL RIVER FALLS R.	11	37	3	8	0	0	0	0	0	0	0	0	337
338	ENSHESHESE RIVER	1	3	1	3	0	0	0	0	0	0	0	0	338
339	EXCHAMSIKS RIVER	10	34	1	3	0	0	0	0	0	0	0	0	339
340	EXSTEW RIVER	3	10	2	7	0	0	0	0	0	0	0	0	340
342	GITNADOIX RIVER	2	7	2	7	0	0	1	3	0	0	0	0	342
344	INKLIN RIVER	4	6	1	2	2	3	2	3	0	0	0	0	344
345	ISHKEENICKH RIVER	43	130	16	49	13	41	69	225	0	0	0	0	345
346	JOHANSON RIVER	2	7	1	3	0	0	1	3	0	0	0	0	346
347	KASIKS RIVER	22	74	4	13	0	0	0	0	0	0	0	0	347
348	KEMANO RIVER	2	6	1	3	0	0	1	3	0	0	0	0	348
350	KHYEX RIVER	13	45	3	10	0	0	12	41	0	0	0	0	350
351	KILDALA RIVER	2	7	1	3	0	0	0	0	0	0	0	0	351
354	KISPIOX RIVER SWEETIN R.	954	2121	168	387	34	83	590	1316	1	3	5	11	354
355	KITEEN RIVER	28	88	12	38	2	7	12	40	0	0	0	0	355
356	KITIMAT RIVER HIRSCH,LITTLE WEDEEN	1105	3643	120	382	122	396	204	662	7	23	4	13	356
358	KITSEQUECLA RIVER	53	172	6	18	8	21	16	54	0	0	0	0	358
360	KITSUMKALUM RIVER BEAVER R.,KALUM R.	1465	4827	223	719	147	484	482	1589	2	7	15	50	360
362	KITWANGA RIVER	21	70	6	19	0	0	0	0	0	0	0	0	362
363	KLEANZA CREEK	1	3	1	3	0	0	0	0	0	0	0	0	363
364	KLOIYA RIVER	318	1065	30	98	15	49	130	432	3	8	2	6	364
365	KLUATANTAN RIVER	12	19	2	3	1	2	13	20	0	0	0	0	365
369	KWINAMASS RIVER	10	34	4	13	3	10	39	131	0	0	0	0	369
370	LACHMACH RIVER	1	3	1	3	0	0	0	0	0	0	0	0	370
371	LAKELSE RIVER COLDWATER,WILLIAMS C	932	2993	167	526	61	202	378	1240	0	0	9	21	371
372	MEZIADIN RIVER	15	48	5	15	1	3	0	0	0	0	0	0	372
373	MORICE RIVER	1599	4558	276	747	144	435	886	2332	5	15	29	73	373
375	NAHLIN RIVER	4	13	1	3	0	0	0	0	0	0	0	0	375
376	NAKINA RIVER	46	90	10	20	1	3	143	351	0	0	0	0	376
377	NANIKA RIVER	3	10	1	3	0	0	0	0	0	0	0	0	377
378	NASS RIVER	109	271	32	86	19	54	52	129	0	0	0	0	378
379	NILKITKWA RIVER	2	3	1	2	0	0	0	0	0	0	0	0	379
382	SHEGUNIA RIVER	1	3	1	3	0	0	0	0	0	0	0	0	382
385	SKEENA RIVER BOULDER,FIDDLER,KWIN	4620	12644	591	1581	504	1283	935	2482	8	15	38	93	385

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	WILD KEPT REP	WILD KEPT EST	WILD RELEASED REP	WILD RELEASED EST	HATCHERY KEPT REP	HATCHERY KEPT EST	HATCHERY RELEASED REP	HATCHERY RELEASED EST	STR#
386	STIKINE RIVER	12	33	4	11	3	9	1	3	0	0	0	0	386
387	SUSKWA RIVER BEAR R.	40	89	22	53	0	0	4	10	0	0	0	0	387
388	SUSTUT RIVER BEAR R.	296	682	50	116	30	75	174	374	0	0	11	17	388
390	TAHLTAN RIVER	42	124	12	34	27	80	37	118	0	0	0	0	390
391	TAKU RIVER	23	36	4	6	8	12	26	40	0	0	0	0	391
394	TELKWA RIVER	41	122	15	44	3	10	6	11	0	0	0	0	394
395	TSEAX RIVER	124	403	36	116	25	84	62	207	0	0	0	0	395
399	ZYMAGOTITZ RIVER ZIMACOR R.	7	23	4	13	3	10	1	3	0	0	0	0	399
400	ZYMOETZ RIVER COPPER R.	756	2382	145	430	85	261	371	1179	0	0	2	5	400
	AREA TOTALS:	17683	50043	2790	7664	1758	5068	7630	19711	37	98	191	440	

TABLE VA - ANGLER DAYS AND CATCH SUCCESS - WILD AND HATCHERY, 1984-85

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	WILD KEPT REP	WILD KEPT EST	WILD RELEASED REP	WILD RELEASED EST	HATCHERY KEPT REP	HATCHERY KEPT EST	HATCHERY RELEASED REP	HATCHERY RELEASED EST	STR#
425	AIN RIVER	3	10	1	3	0	0	3	10	0	0	0	0	425
428	CHURCH CREEK	6	20	2	7	1	3	31	104	0	0	0	0	428
429	COPPER CREEK	192	634	32	103	26	87	217	713	0	0	0	0	429
430	DATLAMEN CREEK	1	3	1	3	0	0	2	7	0	0	0	0	430
431	DAVIDSON CREEK	3	10	2	7	0	0	9	30	0	0	0	0	431
432	DEENA CREEK	98	309	28	87	10	34	128	402	0	0	0	0	432
434	HIELLEN RIVER	31	104	9	30	4	14	1	3	0	0	0	0	434
435	HONNA RIVER	78	260	19	63	22	73	56	186	0	0	0	0	435
436	MAMIN RIVER	162	537	26	86	33	109	158	530	0	0	0	0	436
437	MATHERS CREEK	10	34	1	3	1	3	15	50	0	0	0	0	437
438	NADEN RIVER	8	20	3	8	0	0	11	28	0	0	0	0	438
439	PALLANT CREEK	110	360	19	59	20	67	190	618	0	0	1	3	439
	MORESBY L.,MOSQUITO													
441	SANGAN RIVER	24	80	3	10	1	3	0	0	0	0	0	0	441
442	SKEDANS CREEK	2	5	2	5	0	0	3	10	0	0	0	0	442
445	TLELL RIVER	137	432	41	124	45	141	36	111	0	0	2	7	445
446	YAKOUN RIVER	909	2902	145	458	193	630	1110	3598	2	7	12	40	446
447	HAANS CREEK	3	10	1	3	0	0	4	13	0	0	0	0	447
	AREA TOTALS:	1777	5730	335	1059	356	1164	1974	6413	2	7	15	50	

STR#	STREAM NAME	DAYS FISHED REP	DAYS FISHED EST	NO. ANGLERS REP	NO. ANGLERS EST	WILD KEPT REP	WILD KEPT EST	WILD RELEASED REP	WILD RELEASED EST	HATCHERY KEPT REP	HATCHERY KEPT EST	HATCHERY RELEASED REP	HATCHERY RELEASED EST	STR#
555	UNKNOWN STREAMS	429	1161	131	359	19	43	55	128	10	29	10	29	555
	TOTAL FOR ALL AREAS:	67780	207716	10354	31007	4029	11648	36581	107301	2234	7261	6649	21628	

Anglers who did not report no. of days fished are not included in this report.

TABLE VI - ACTIVE ANGLERS IN EACH RESIDENT AREA ACCORDING TO THE NUMBER OF STEELHEAD KEPT

RESA		CATCH CLASS 0	1 - 5	6 - 10	11 - 20	21 - 30	31 - 40	UNKNOWN	TOTAL
1	REP	491	350	52	3	0	0	0	896
	EST	1695	1208	179	10	0	0	0	3092
	%	54.8	39.1	5.8	0.3	0.0	0.0	0.0	
2	REP	1259	757	48	2	0	0	0	2066
	EST	4029	2423	154	6	0	0	0	6612
	%	60.9	36.6	2.3	0.1	0.0	0.0	0.0	
3	REP	156	140	6	0	0	0	0	302
	EST	431	387	17	0	0	0	0	835
	%	51.7	46.4	2.0	0.0	0.0	0.0	0.0	
4	REP	34	18	2	0	0	0	0	54
	EST	92	49	5	0	0	0	0	146
	%	63.0	33.3	3.7	0.0	0.0	0.0	0.0	
5	REP	108	89	3	0	0	0	0	200
	EST	371	306	10	0	0	0	0	687
	%	54.0	44.5	1.5	0.0	0.0	0.0	0.0	
6	REP	387	388	65	0	0	0	0	840
	EST	1298	1301	218	0	0	0	0	2817
	%	46.1	46.2	7.7	0.0	0.0	0.0	0.0	
7	REP	146	121	1	0	0	0	0	268
	EST	461	382	3	0	0	0	0	846
	%	54.5	45.1	0.4	0.0	0.0	0.0	0.0	
8	REP	111	71	0	0	0	0	0	182
	EST	299	191	0	0	0	0	0	490
	%	61.0	39.0	0.0	0.0	0.0	0.0	0.0	
9	REP	216	160	2	0	0	0	0	378
	EST	402	298	4	0	0	0	0	704
	%	57.1	42.3	0.5	0.0	0.0	0.0	0.0	
0	REP	523	326	6	1	0	0	0	856
	EST	814	508	9	2	0	0	0	1333
	%	61.1	38.1	0.7	0.1	0.0	0.0	0.0	
TOTAL	REP	3431	2420	185	6	0	0	0	6042
	EST	9892	7053	599	18	0	0	0	17562
	%	56.8	40.1	3.1	0.1	0.0	0.0	0.0	

TABLE VII - ACTIVE ANGLERS IN EACH RESIDENT AREA ACCORDING TO THE NUMBER OF DAYS FISHED

RESA		DAYS FISHED CLASS 1 - 5	6 - 10	11 - 30	31 - OV	UNKNOWN	TOTAL
1	REP	341	162	247	126	20	896
	EST	1177	559	853	435	69	3093
	%	38.1	18.1	27.6	14.1	2.2	
2	REP	854	430	524	215	43	2066
	EST	2733	1376	1677	688	138	6612
	%	41.3	20.8	25.4	10.4	2.1	
3	REP	177	70	46	5	4	302
	EST	489	193	127	14	11	834
	%	58.6	23.2	15.2	1.7	1.3	
4	REP	35	13	4	2	0	54
	EST	94	35	11	5	0	145
	%	64.8	24.1	7.4	3.7	0.0	
5	REP	129	35	26	6	4	200
	EST	444	120	89	21	14	688
	%	64.5	17.5	13.0	3.0	2.0	
6	REP	321	170	250	83	16	840
	EST	1076	570	838	278	54	2816
	%	38.2	20.2	29.8	9.9	1.9	
7	REP	198	52	17	0	1	268
	EST	625	164	54	0	3	846
	%	73.9	19.4	6.3	0.0	0.4	
8	REP	127	31	19	4	1	182
	EST	342	83	51	11	3	490
	%	69.8	17.0	10.4	2.2	0.5	
9	REP	202	133	37	0	6	378
	EST	376	248	69	0	11	704
	%	53.4	35.2	9.8	0.0	1.6	
0	REP	388	335	93	16	24	856
	EST	604	522	145	25	37	1333
	%	45.3	39.1	10.9	1.9	2.8	
TOTAL	REP	2772	1431	1263	457	119	6042
	EST	7960	3870	3914	1477	340	17561
	%	45.9	23.7	20.9	7.6	2.0	

Appendix 3. 1984-85 Angling effort and steelhead catch distribution*

Area	Angler days	Wild		Hatchery		Total catch	Kept/ day	Catch/ day**
		Kept	Released	Kept	Released			
Vancouver Island	55,694	907	36,808	3,863	12,723	54,301	0.086	0.977
Lower Mainland	73,272	952	28,695	3,169	8,251	41,067	0.056	0.560
Thompson-Nicola	13,505	2,281	5,033	76	88	7,478	0.176	0.564
Cariboo	8,311	1,233	10,513	19	47	11,812	0.145	1.649
Skeena - Mainland	50,043	5,068	19,711	98	440	25,317	0.102	0.544
- Q.C.I.	5,730	1,164	6,413	7	50	7,634	0.201	1.321
Unknown streams	1,161	43	128	29	29	229	0.068	0.219
Total	207,716	11,648	107,301	7,261	21,628	147,838	0.092	0.730

* From Tables V and VA in Appendix 2.
** Combined kept and released.

Appendix 4. Steelhead streams having the highest total catch in 1984-85.*

Streams	Angler days	Kept	Released	Total catch	Kept/ day	Catch/ day
VANCOUVER ISLAND						
Stamp	7,225	1,081	7,735	8,816	0.149	1.221
Cowichan	9,287	1,713	6,508	7,221	0.077	0.784
Gold	3,128	186	6,981	7,167	0.063	2.243
Campbell/Quinsam	7,933	530	5,471	6,001	0.069	0.756
Big Qualicum	4,287	502	2,657	3,159	0.119	0.734
Little Qualicum	3,316	370	2,767	3,137	0.111	0.958
LOWER MAINLAND						
Chilliwack/Vedder	33,816	2,402	24,188	26,590	0.071	0.785
Alouette (South)	6,692	354	2,482	2,836	0.053	0.424
Little Campbell	2,903	162	1,373	1,535	0.056	0.526
Capilano	3,099	92	1,412	1,504	0.030	0.486
Squamish	1,604	6	1,392	1,398	0.004	0.868
Fraser	14,439	860	471	1,331	0.060	0.093
THOMPSON-NICOLA						
Thompson	13,365	2,347	5,087	7,434	0.177	0.567
CARIBOO						
Dean	3,719	470	7,481	7,951	0.112	2.317
Atnarko/Bella Coola	3,380	529	1,746	2,275	0.157	0.673
SKEENA MAINLAND						
Bulkley	9,797	1,108	3,197	4,305	0.034	1,431
Skeena	12,639	1,293	2,571	3,864	0.111	0.321
Morice	4,553	446	2,401	2,847	0.093	0.665
Babine	2,075	85	2,675	2,760	0.034	1,431
Kitsumkalum	4,823	487	1,636	2,123	0.102	0.441
QUEEN CHARLOTTE ISLANDS						
Yakoun	2,899	634	3,637	4,271	0.215	1.449
Copper Creek	632	86	712	798	0.135	1.266
Pallant	359	66	620	686	0.182	1.918
Mamin	535	107	528	635	0.204	1.179

* From Table V in Appendix 2.

Appendix 5. Steelhead licencees, active and successful anglers, catch and angling effort (1966-67 to 1984-85).

Year	Licencees	Active Anglers	Successful Anglers (%)	Total Catch	Days Fished	Catch/ Successful Angler	Days Fished/ Active Angler	Days Fished /Fish Caught
66-67*	37,500	27,125	11,121(41.0)	66,373	N.A.	5.9	N.A.	N.A.
67-68	39,388	22,289	8,167(36.6)	48,508	224,300	5.9	10.1	4.6
68-69	39,775	19,789	7,834(39.6)	41,672	189,300	5.3	9.6	4.5
69-70	45,824	24,515	8,339(34.0)	37,219	249,452	4.5	10.2	6.7
70-71	43,750	23,533	8,128(34.5)	53,916	232,664	6.6	9.9	4.3
71-72**	26,253	18,270	7,934(43.4)	61,457	184,978	7.7	10.1	3.0
72-73	28,992	19,489	8,165(41.9)	61,609	203,393	7.5	10.4	3.3
73-74	31,315	20,291	8,282(41.0)	58,933	208,105	7.1	10.3	3.5
74-75**	24,399	16,469	7,296(44.3)	51,652	196,751	7.1	11.9	3.8
75-76	29,594	20,265	8,770(43.3)	58,036	219,797	6.6	10.8	3.8
76-77	25,539	18,356	6,998(38.1)	40,618	186,381	5.8	10.2	4.6
77-78	23,406	17,143	7,038(41.1)	45,201	174,721	6.4	10.2	3.9
78-79	24,600	15,788	6,746(42.7)	39,473	159,363	5.9	10.1	4.0
79-80	25,095	14,755	6,384(43.3)	39,569	134,569	6.2	9.1	3.4
80-81	22,301	12,894	6,383(49.5)	50,924	131,886	8.0	10.2	2.6
81-82	23,425	12,964	6,175(47.6)	57,704	126,508	9.3	9.7	2.2
82-83**	20,856	14,475	7,686(53.1)	74,109	149,195	9.6	10.3	2.0
83-84	20,576	14,929	8,569(57.8)	98,622	173,962	11.5	11.7	1.8
84-85	23,236	17,567	10,581(61.6)	147,838	201,716	14.0	11.8	1.4

* Estimated on the basis of incomplete licencing data.
** Increase in steelhead licence fees.

Appendix 6. Estimated annual steelhead catch (1966-67 to 1984-85).

	Wild		Hatchery		Combined Catch		
Seasons	Kept	Released	Kept	Released	Kept	Released	Total
1966-67							66,373
1967-68							48,508
1968-69							41,672
1969-70							37,219
1970-71					33,977	19,939	53,916
1971-72					36,733	24,724	61,457
1972-73					35,939	25,670	61,609
1973-74					32,720	26,213	58,933
1974-75					27,807	23,845	51,652
1975-76					31,490	26,546	58,036
1976-77					20,168	20,450	40,618
1977-78					18,154	27,047	45,201
1978-79					14,725	24,748	39,473
1979-80					12,663	26,906	39,569
1980-81					10,941	39,983	50,924
1981-82	8,640	43,139	1,361	4,600	9,965	47,739	57,704
1982-83	10,849	54,259	2,634	6,367	13,483	60,626	74,109
1983-84	10,578	69,926	4,506	13,612	15,084	83,538	98,622
1984-85	11,648	107,301	7,261	21,628	18,909	128,929	147,838